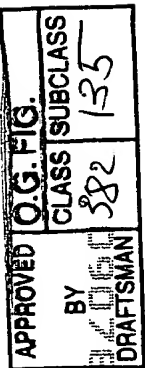


FIG. 1

65



APPROVED O.G. FIG.
BY CLASS SUBCLASS
DRAFTSMAN

852150" 82592

2/53

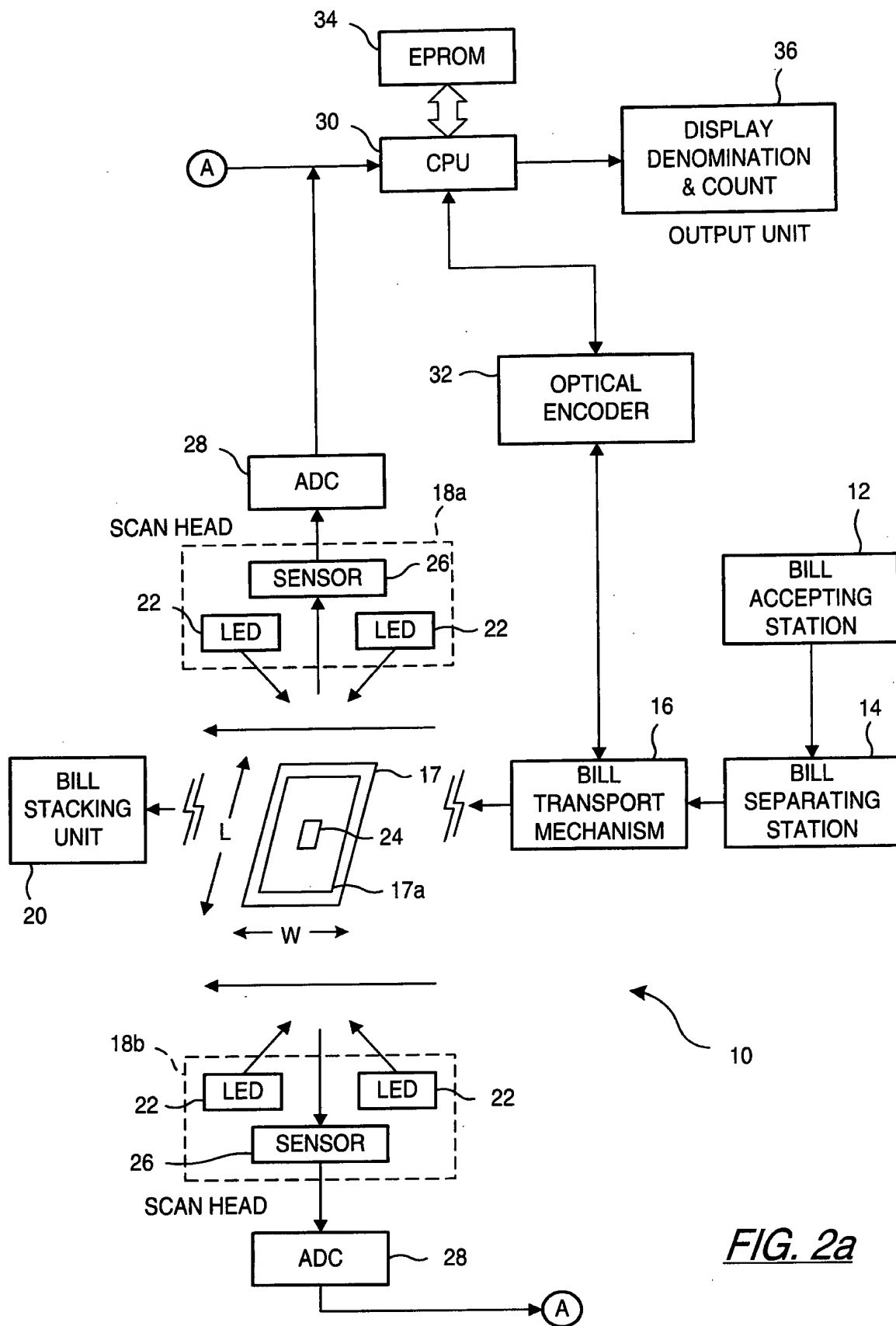
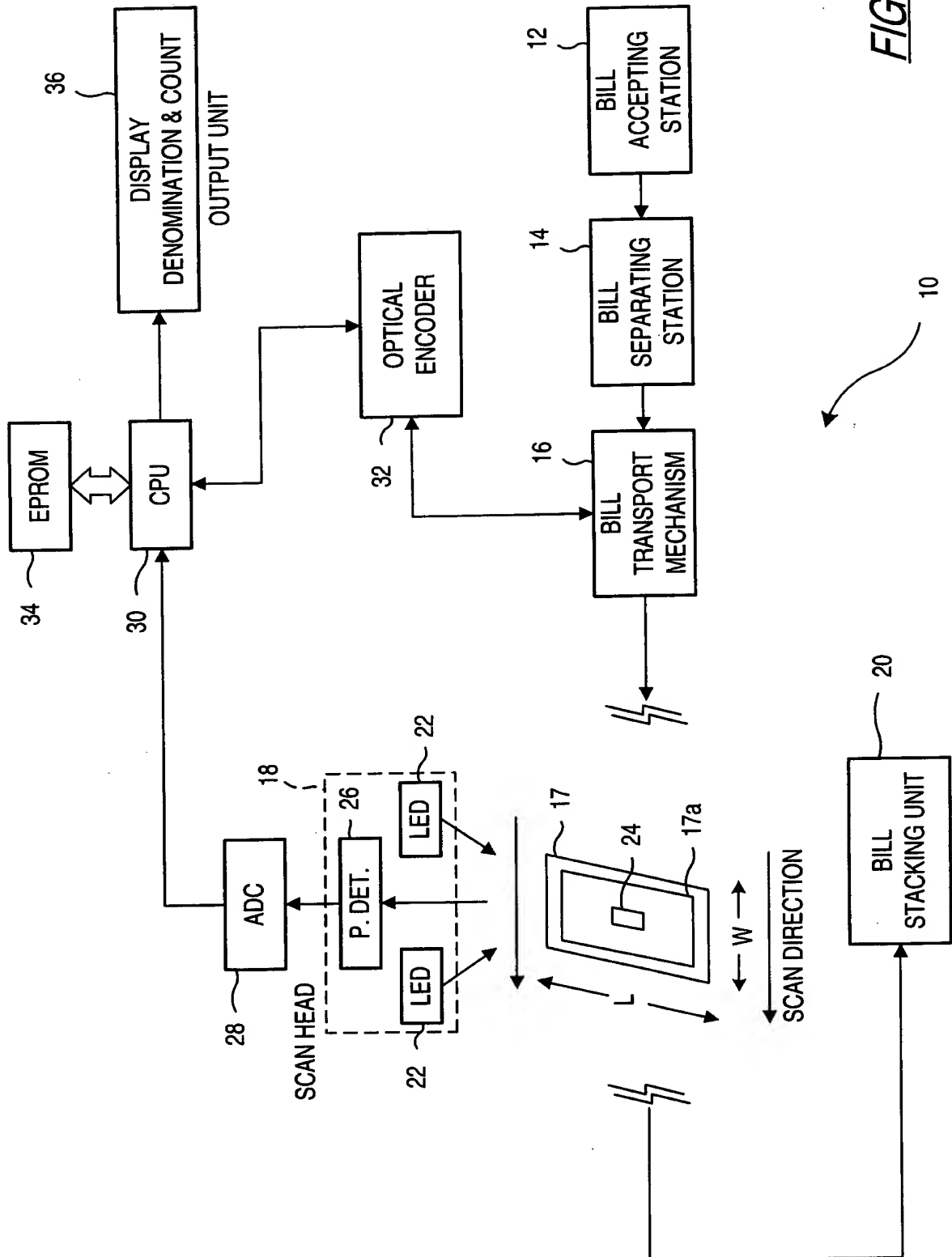


FIG. 2a

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		



APPROVED	O.G. FIG.	
	CLASS	SUBCLASS
BY		
DRAFTSMAN		

362T50" 82592060

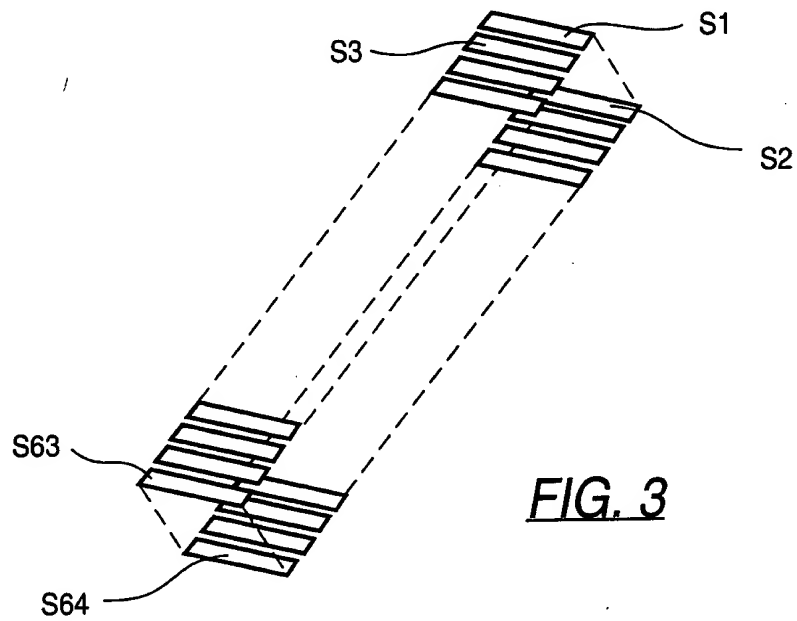


FIG. 3

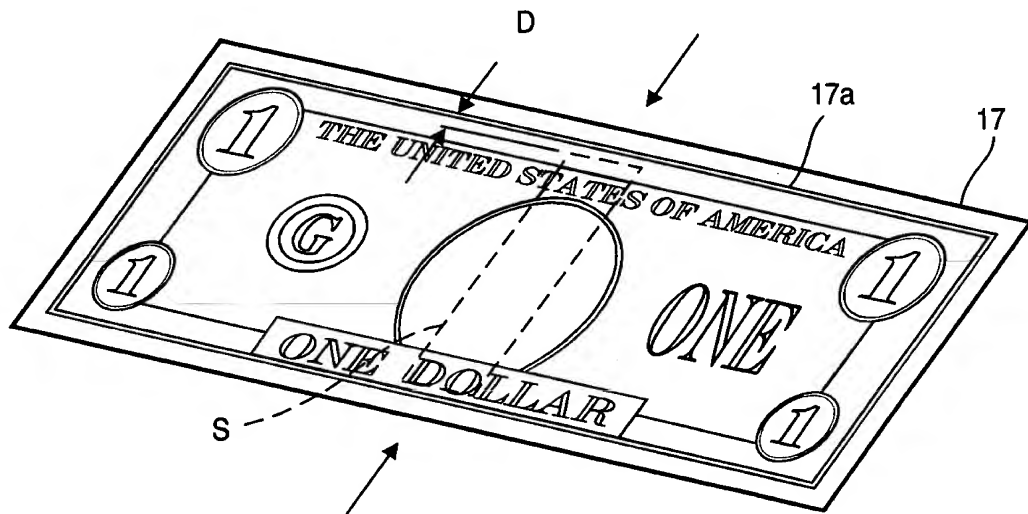


FIG. 4

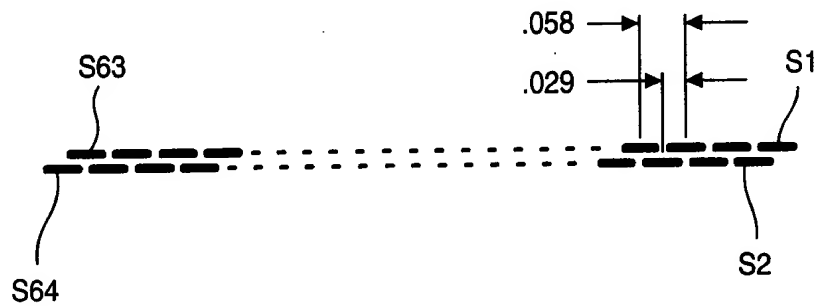


FIG. 5

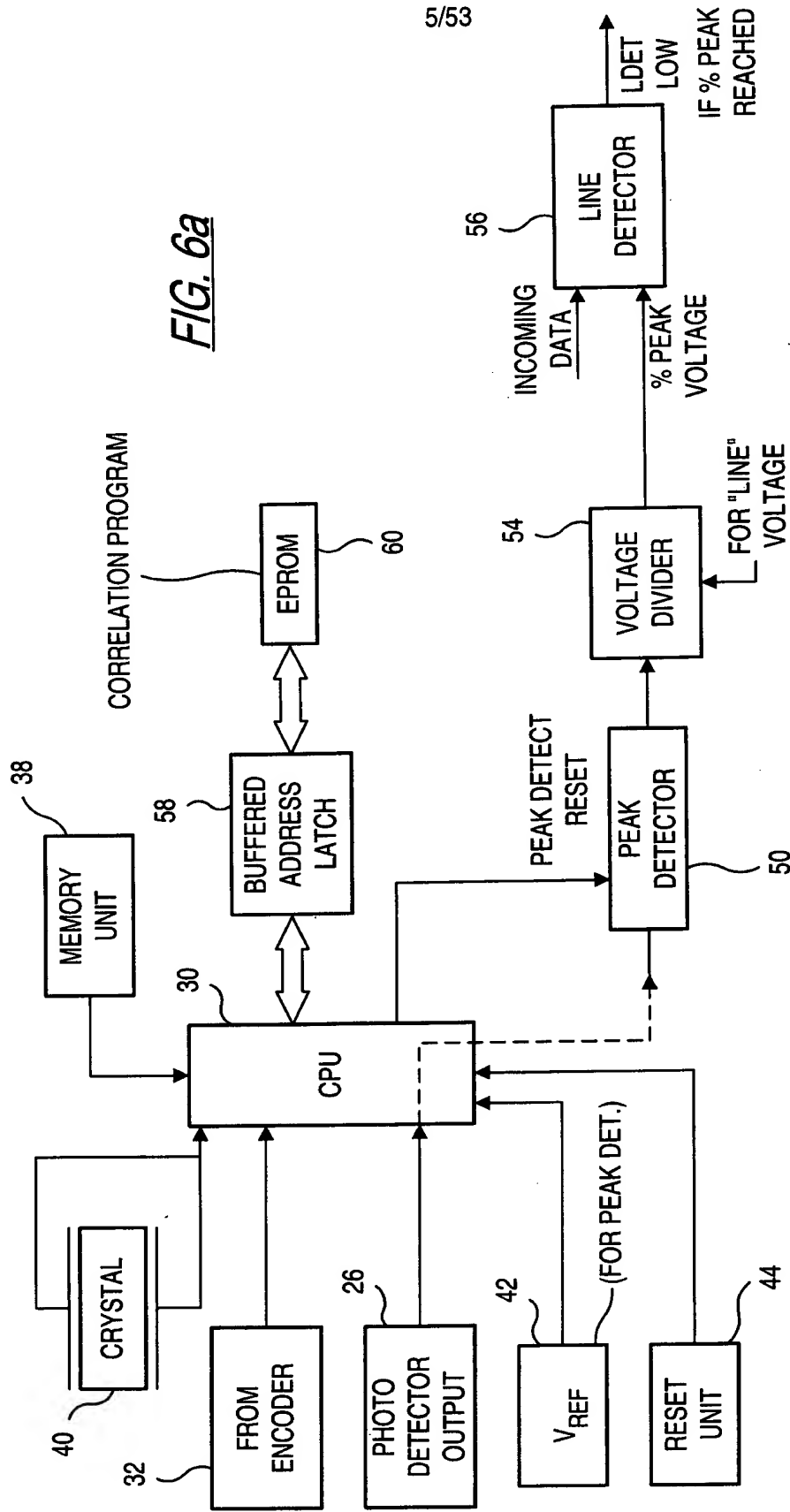
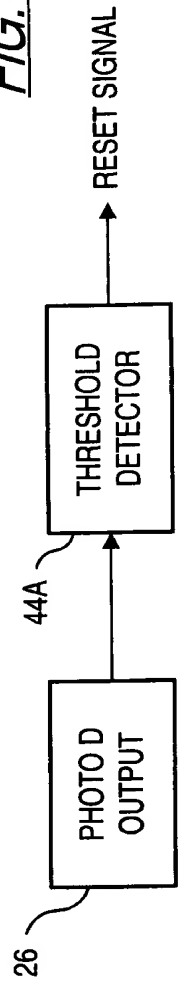


FIG. 6b



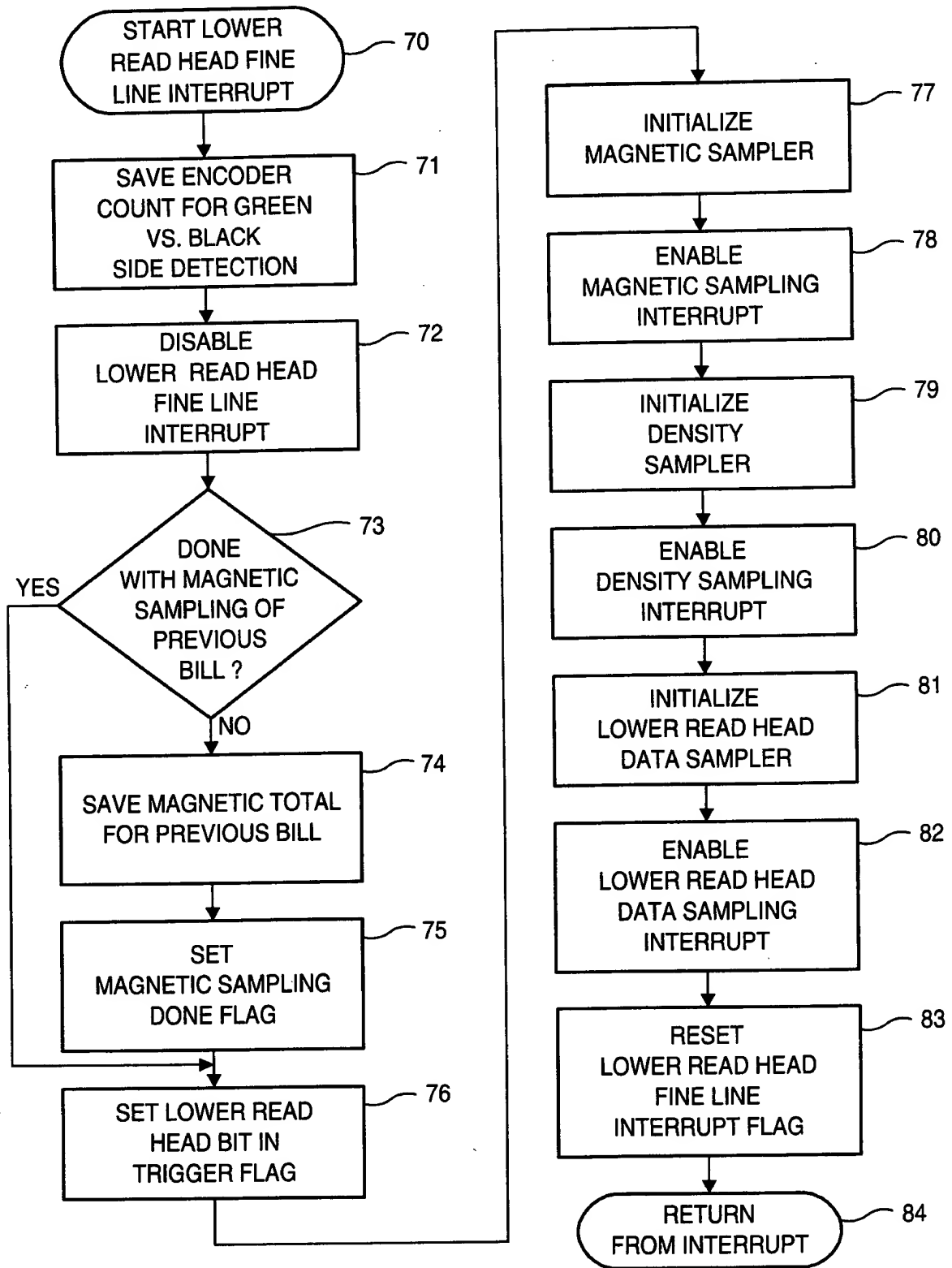
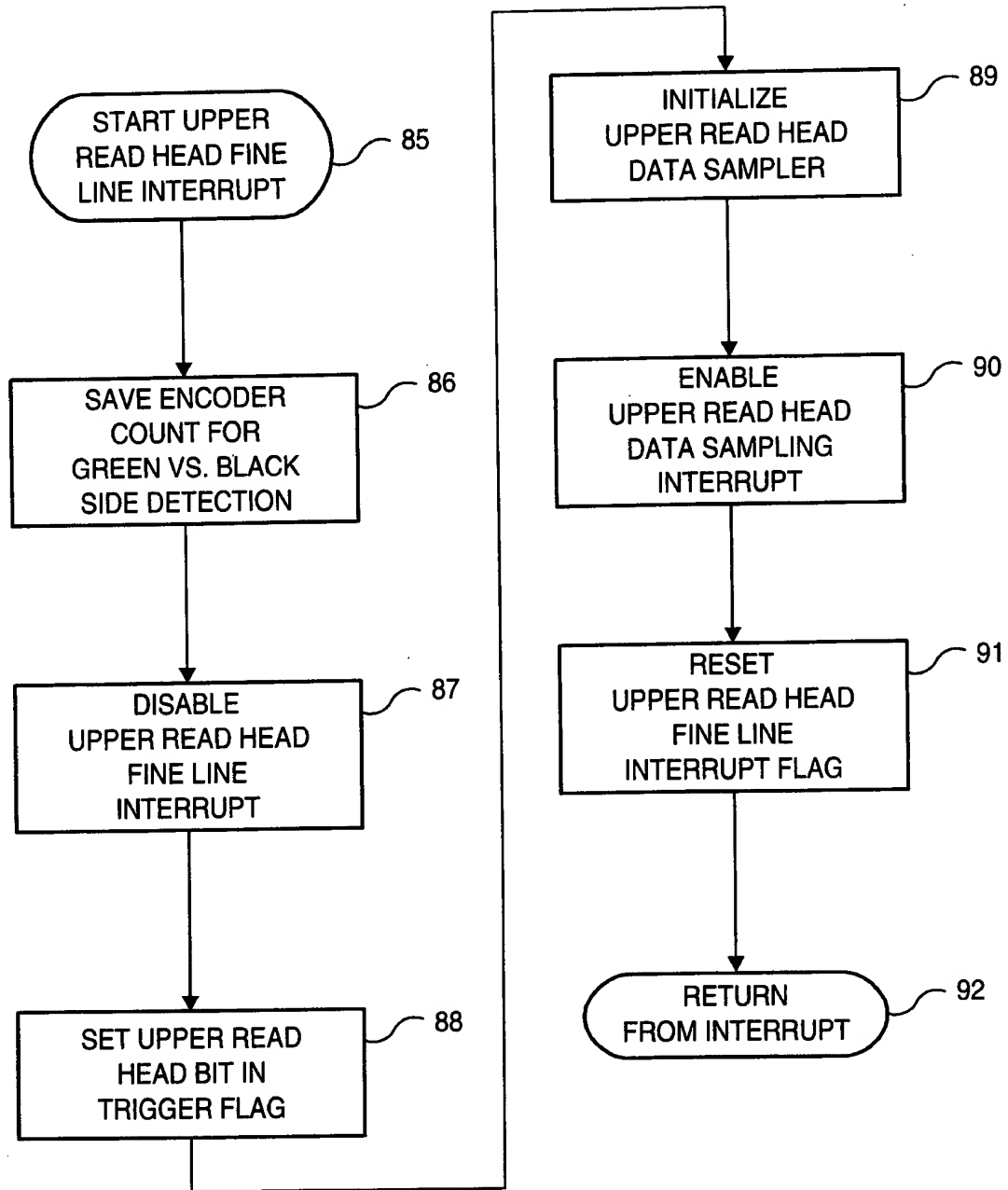
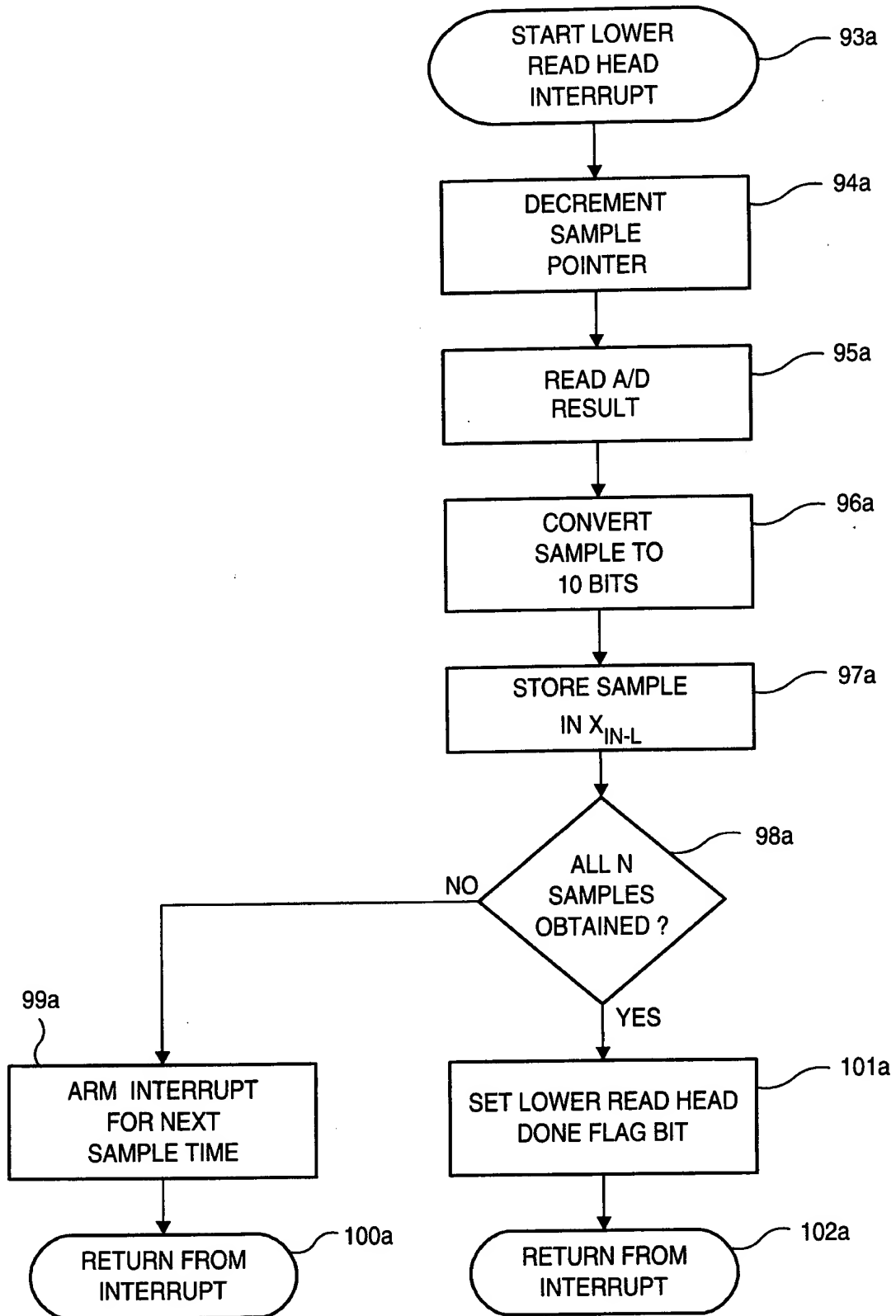


FIG. 8

APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

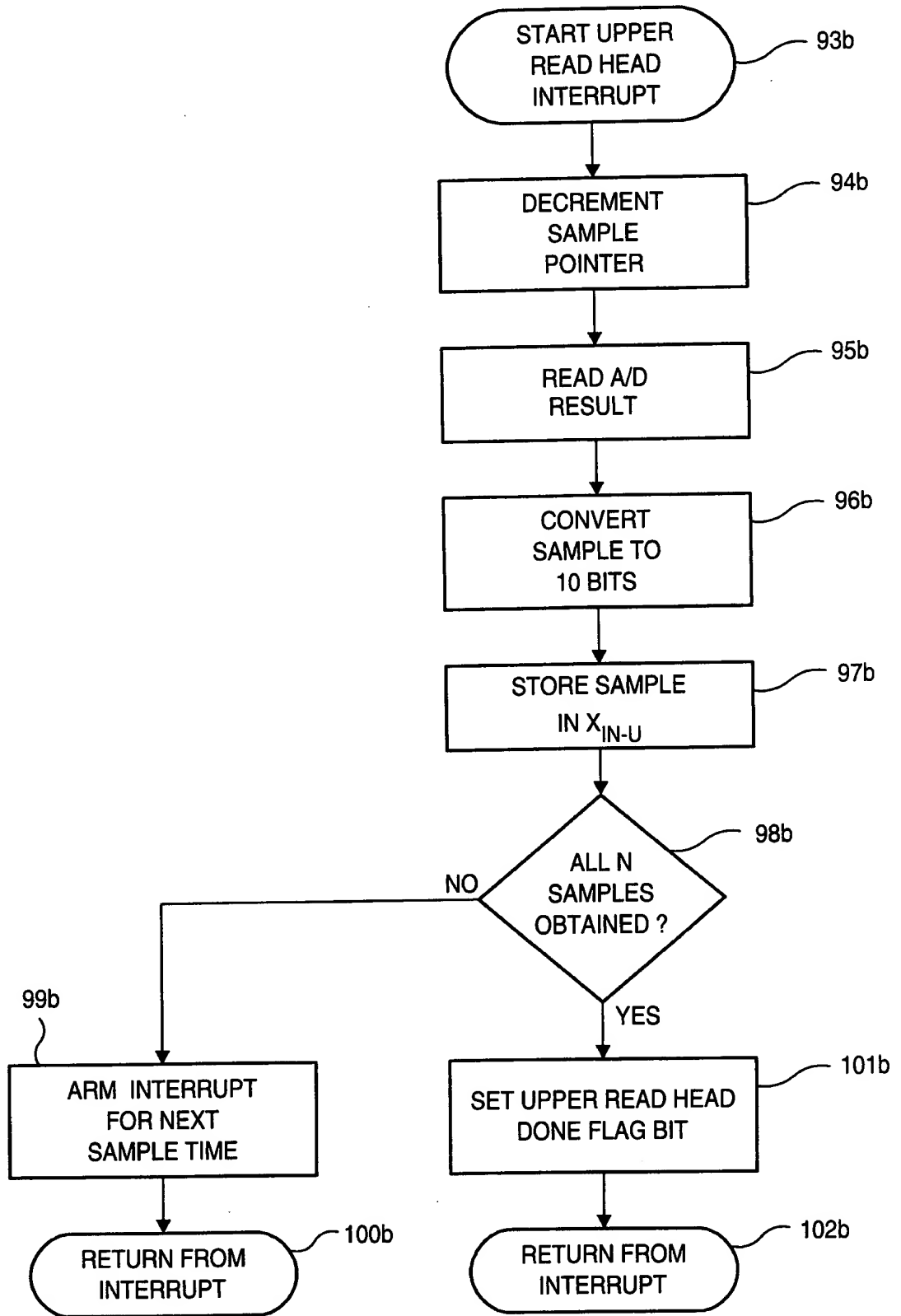
36250" 3294060

*FIG. 9*

*FIG. 10*

APPROVED	O.G. FIG.	CLASS	SUBCLASS
BY			
DRAFTSMAN			

062150" 82592060

**FIG. 11**

11/53

APPROVED	O.G. FIG.	CLASS	SUBCLASS
	BY		

862150" 8259/060

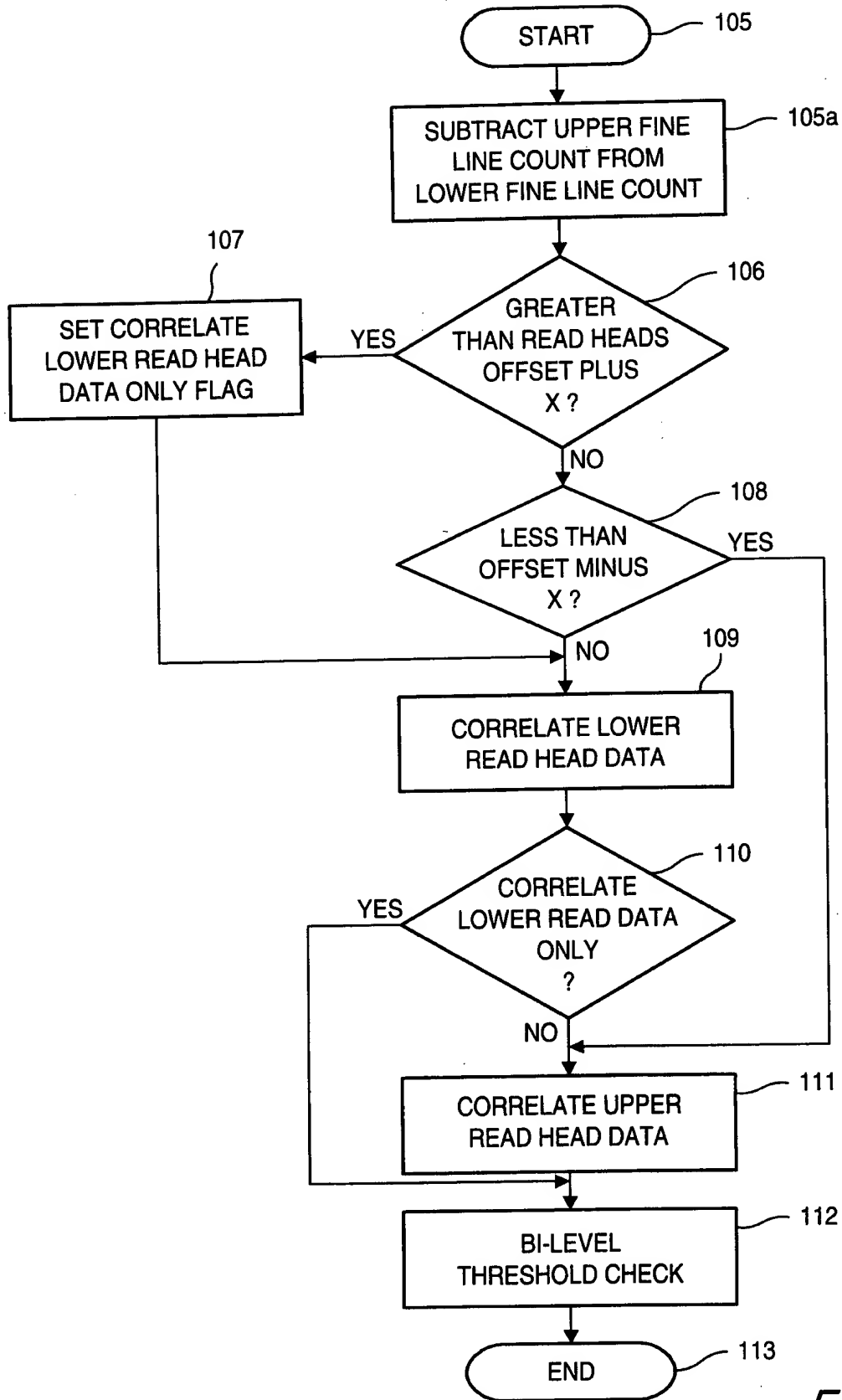
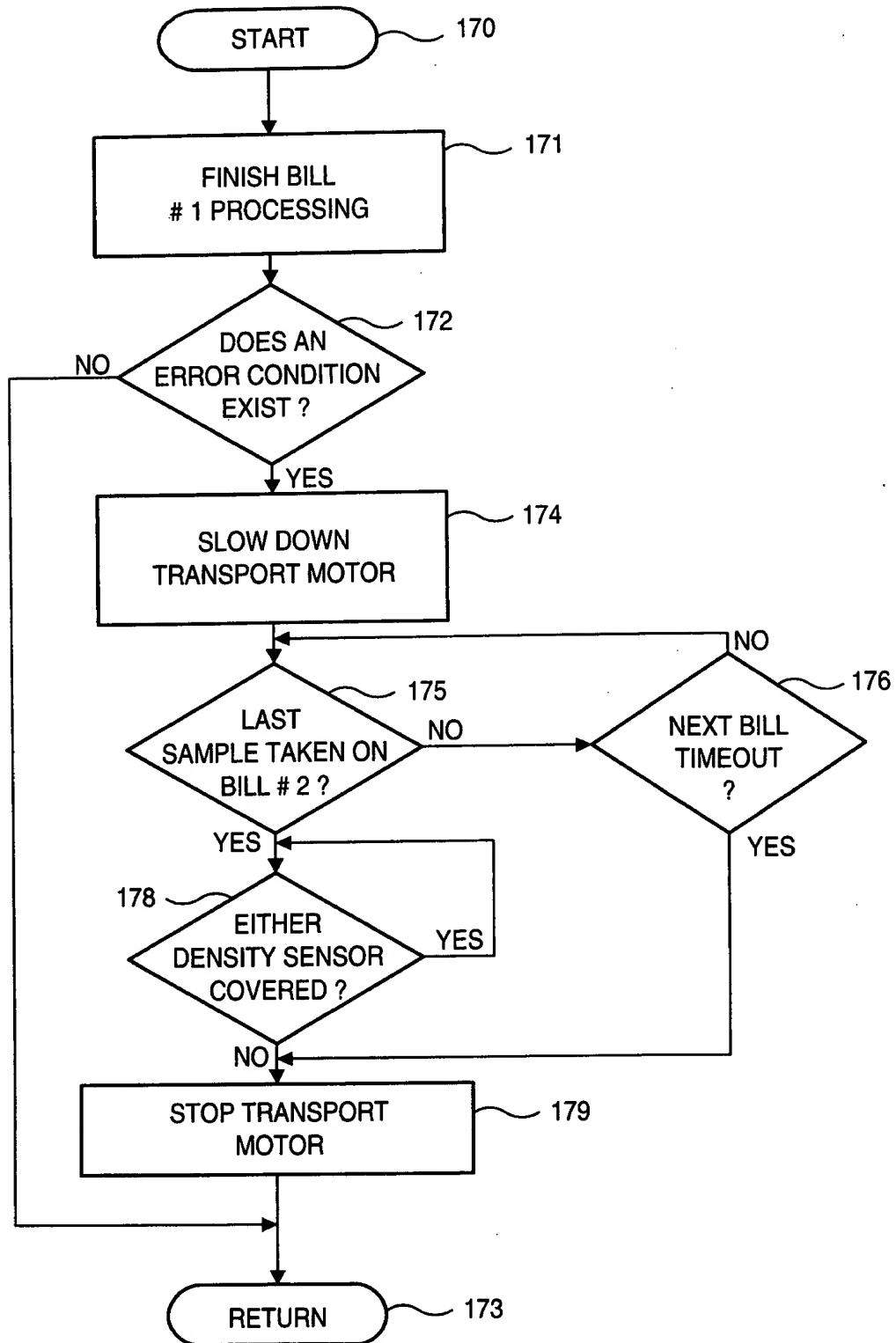


FIG. 12



APPROVED	O.G. FIG.
BY	CLASS / SUBCLASS
DRAFTSMAN	

862T50" 8259/060

FIG. 14

APPROVED	O.G. FIG.	
	CLASS	SUBCLASS
BY		
DRAFTSMAN		

14/53

\$1: TOP, FORWARD

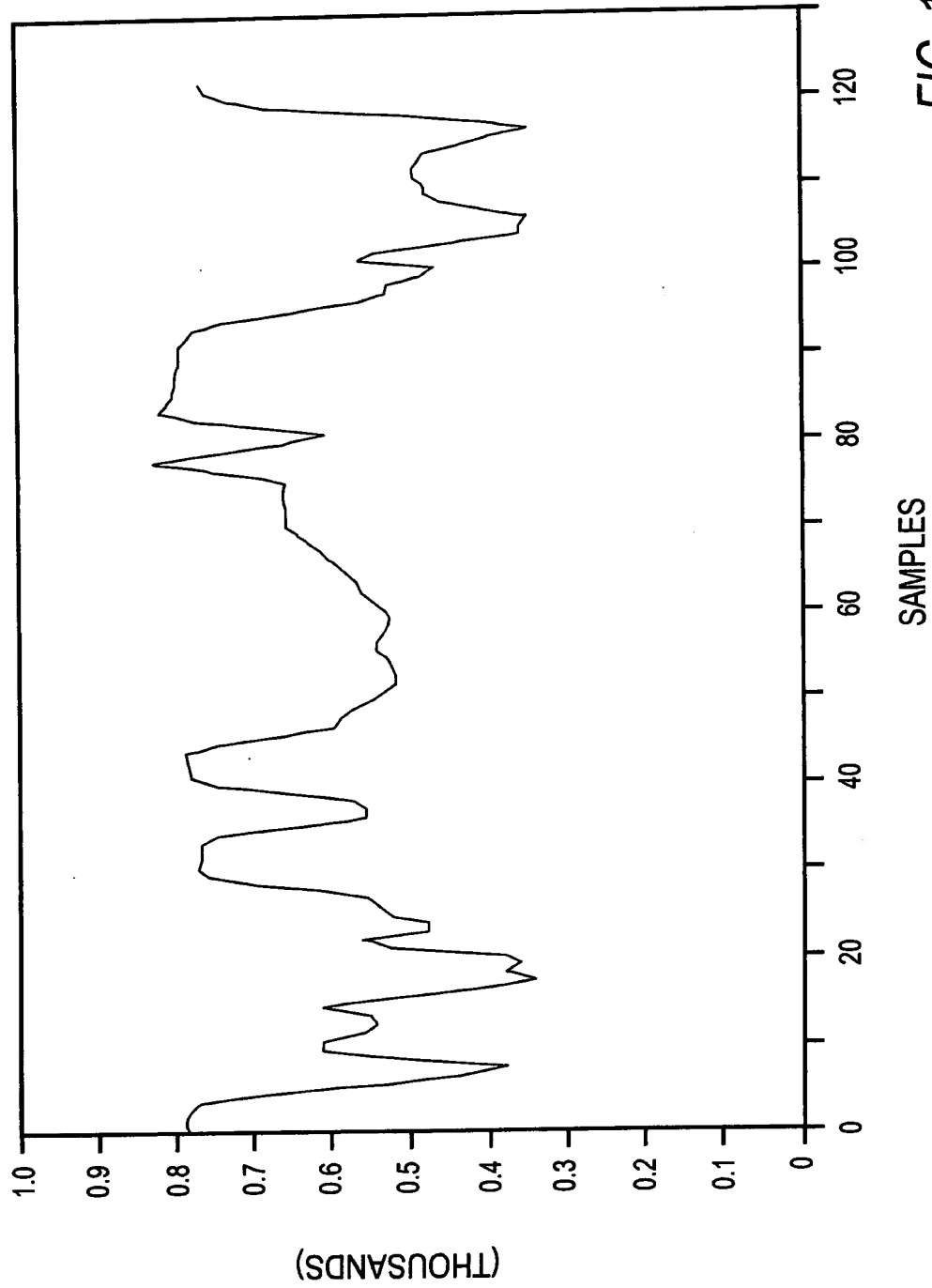


FIG. 15a

APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

062150" 3259/060

\$2 : TOP, REVERSE

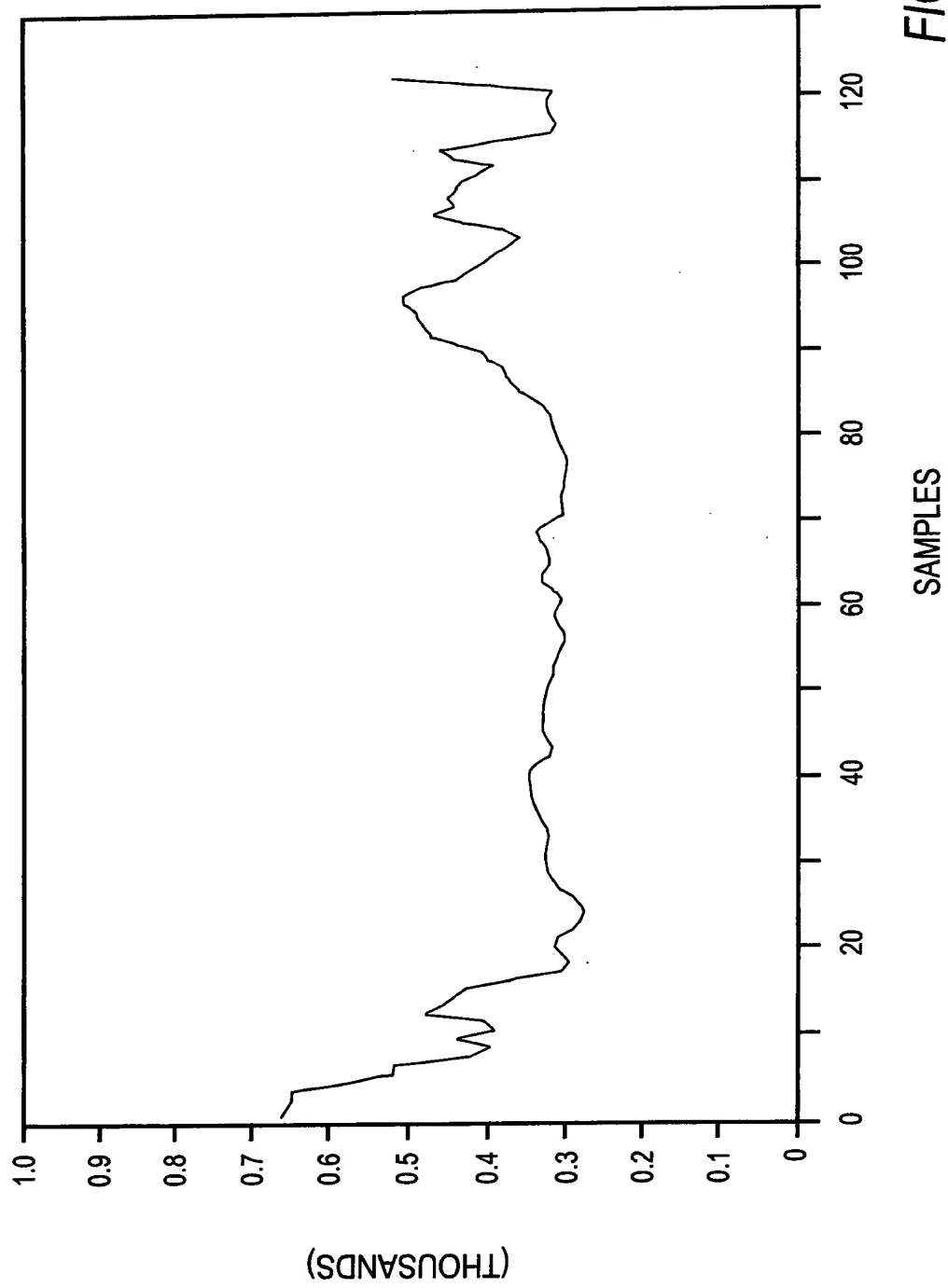


FIG. 15b

APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
1362150" 8259406	GRAFTSMAN

16/53

\$100 : TOP, FORWARD

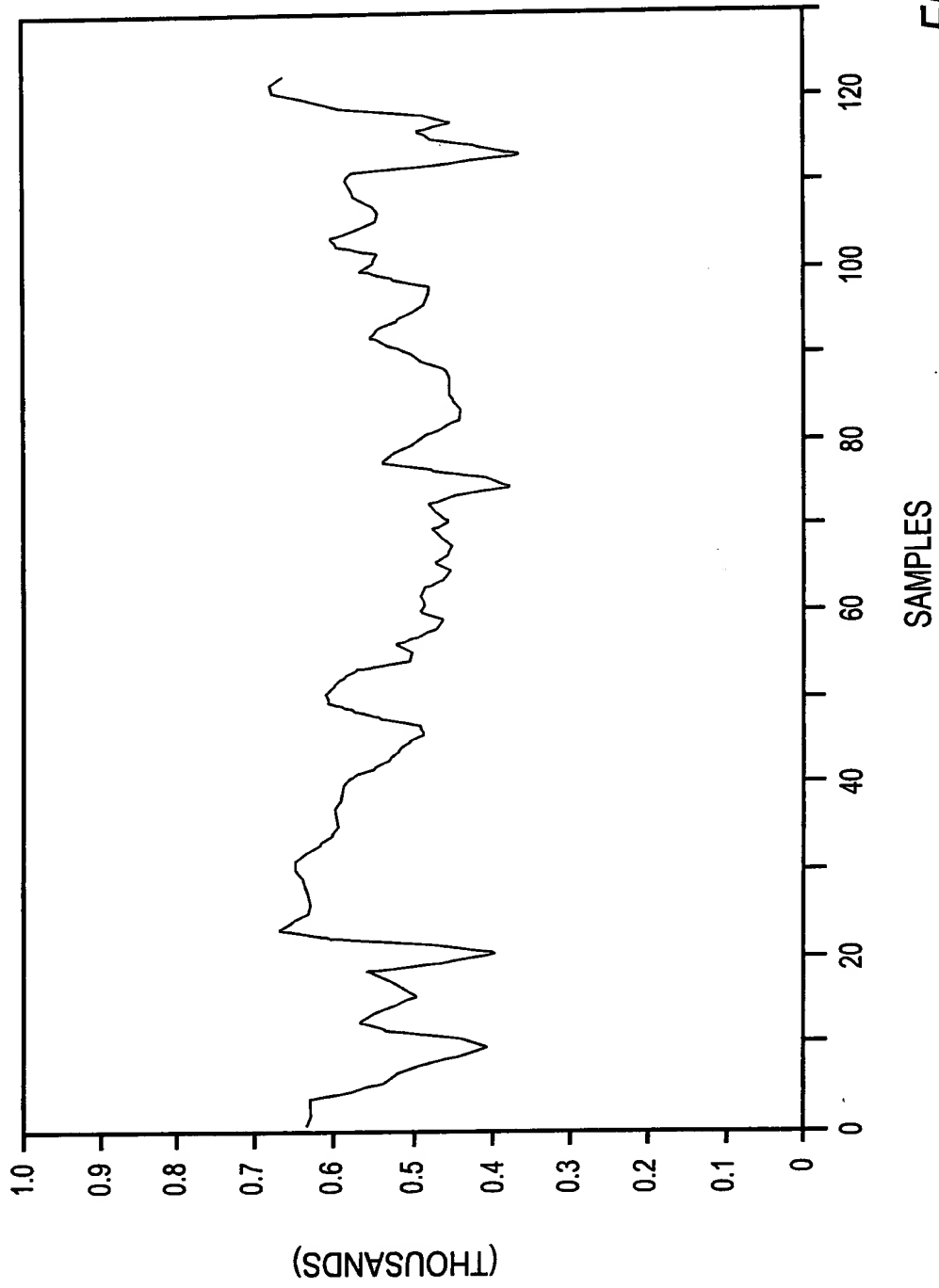


FIG. 16

APPROVED	O.G. FIG.	CLASS	SUBCLASS
	BY	DRAFTSMAN	

862150" 8253/050

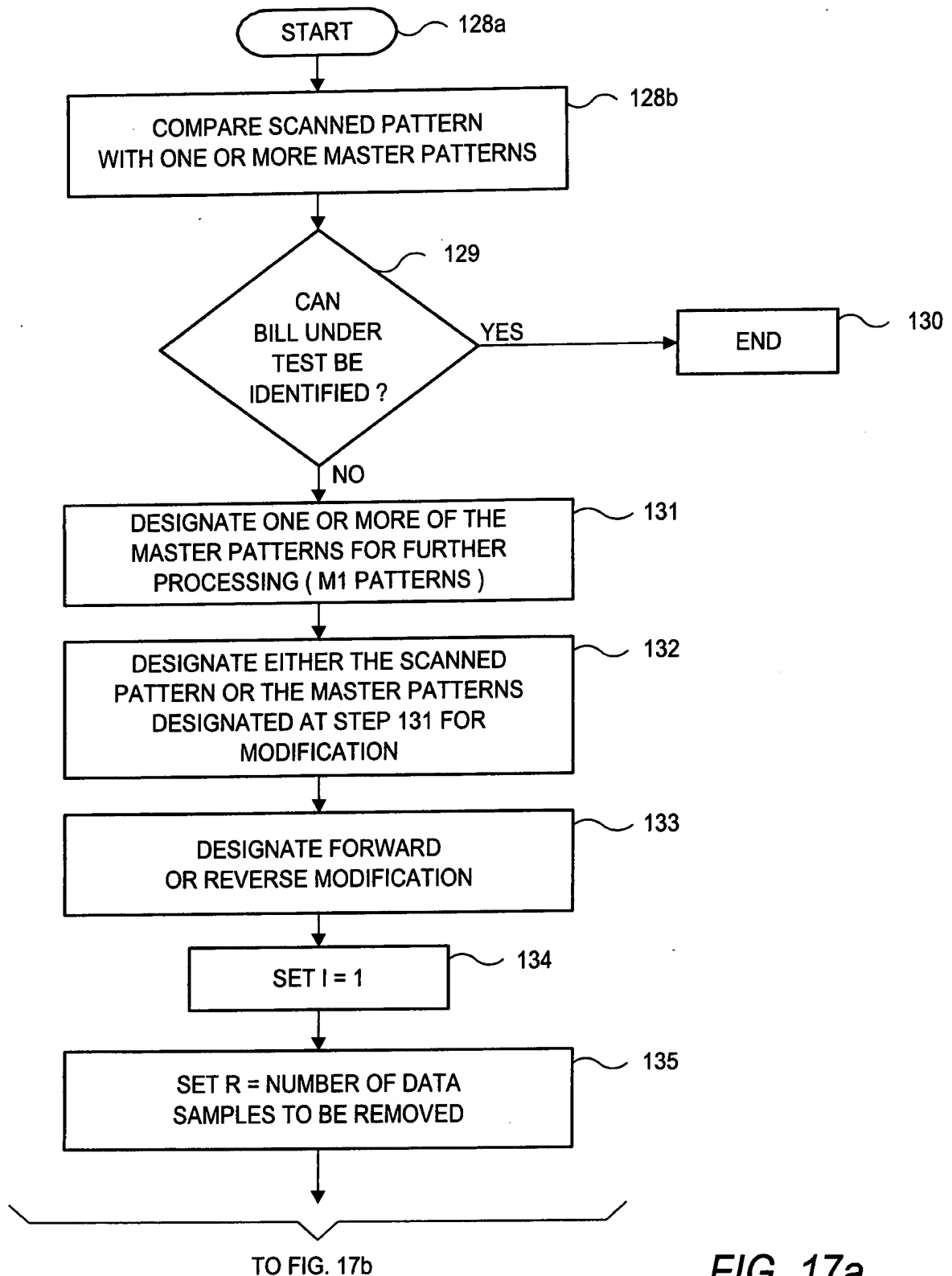


FIG. 17a

18/53

TO FIG. 17a

(A)

HAS THE
SCANNED PATTERN
BEEN DESIGNATED
FOR MODIFICATION ?

YES

NO

REPLICATE SCANNED PATTERN M1
TIMES AND DESIGNATE M1
REPLICATED PATTERNS AS
WORKING PATTERNS

REPLICATE MASTER PATTERNS
DESIGNATED AT STEP 131 AND
DESIGNATE M1 REPLICATED
PATTERNS AS WORKING
PATTERNS

FORWARD
MODIFICATION TO
BE PERFORMED ?

YES

NO

REMOVE FIRST Rxi
DATA SAMPLES FROM
EACH WORKING PATTERN

REMOVE LAST Rxi
DATA VALUES FROM
EACH WORKING PATTERN

ADD Rxi DATA VALUES TO END OF
WORKING PATTERNS; THE ADDED
Rxi DATA VALUES BEING EQUAL TO
THE DATA VALUES IN THE LAST Rxi
SEQUENCE POSITIONS OF A
CORRESPONDING NON-DESIGNATED
PATTERN

ADD Rxi DATA VALUES TO BEGINING
OF WORKING PATTERNS; THE
ADDED Rxi DATA VALUES BEING
EQUAL TO THE DATA VALUES IN THE
FIRST Rxi SEQUENCE POSITIONS
OF A CORRESPONDING
NON-DESIGNATED PATTERN

TO FIG. 17c

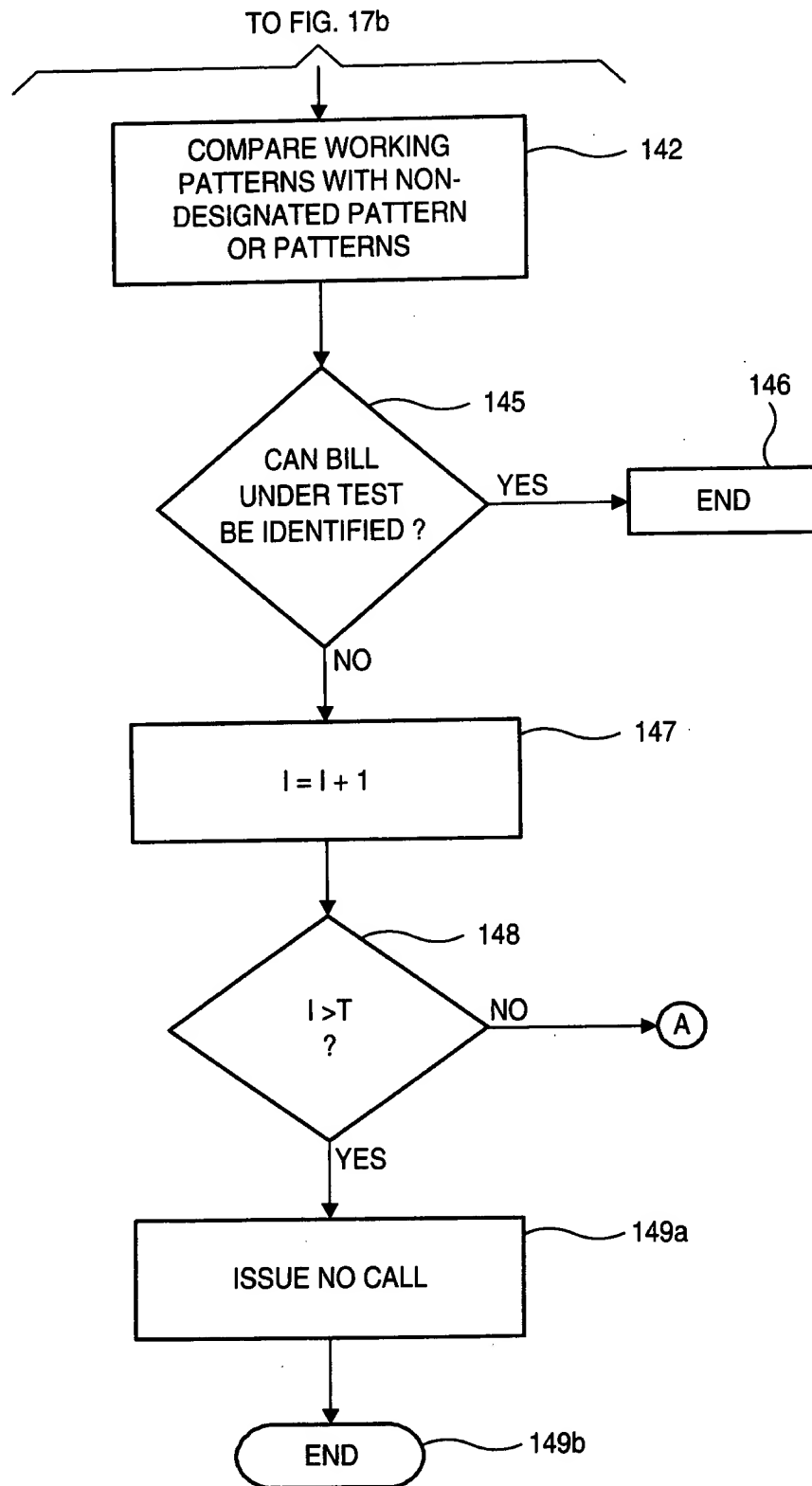
FIG. 17b

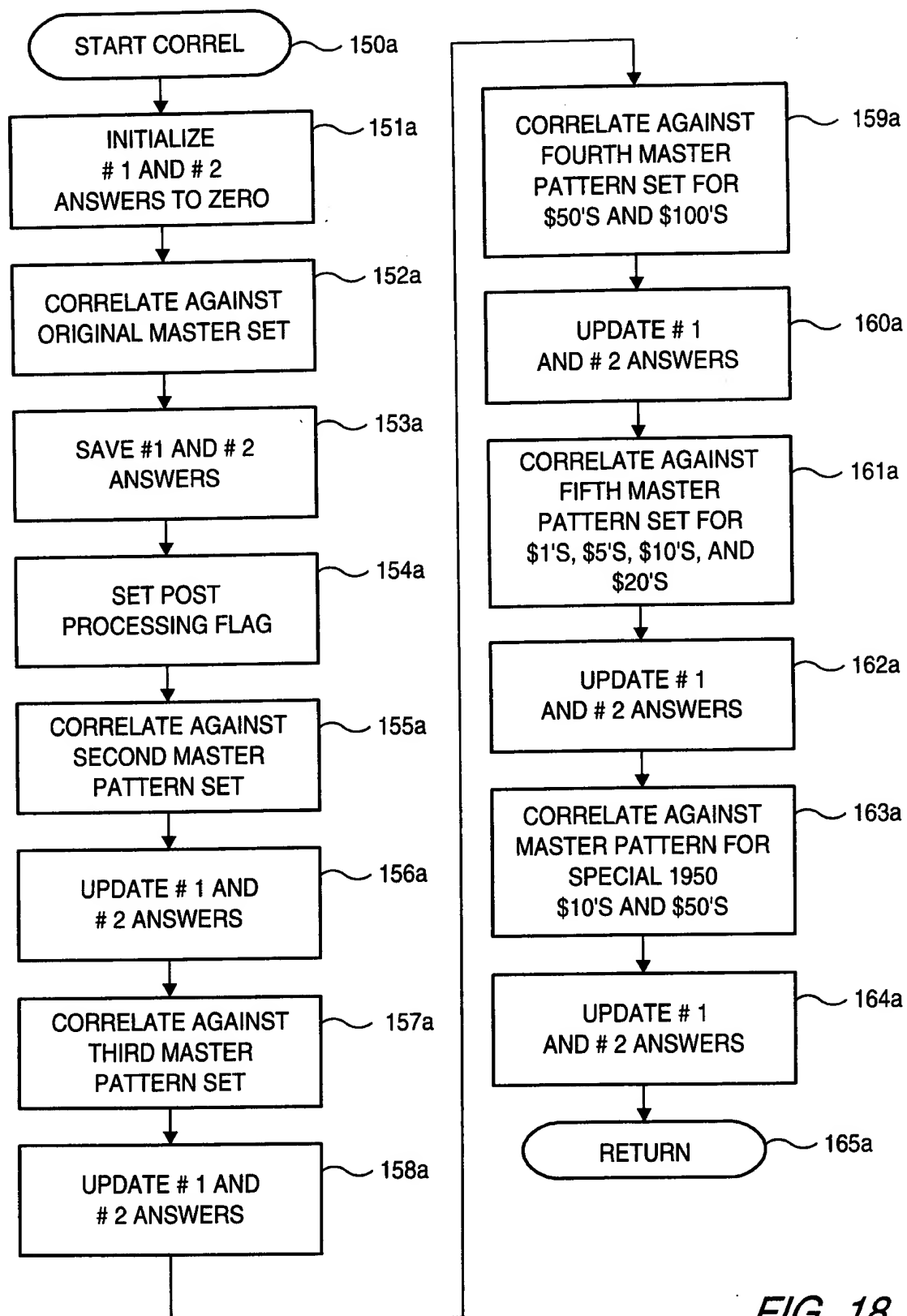
APPROVED	BY	DRAFTSMAN
O.G. FIG.		
CLASS SUBCLASS		

852150" 82594060

APPROVED	O.G. FIG.	CLASS	SUBCLASS
BY			
DRAFTSMAN			

862TS0" 8259/050

*FIG. 17c*

**FIG. 18**

APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

862F50" 82594060

21/53

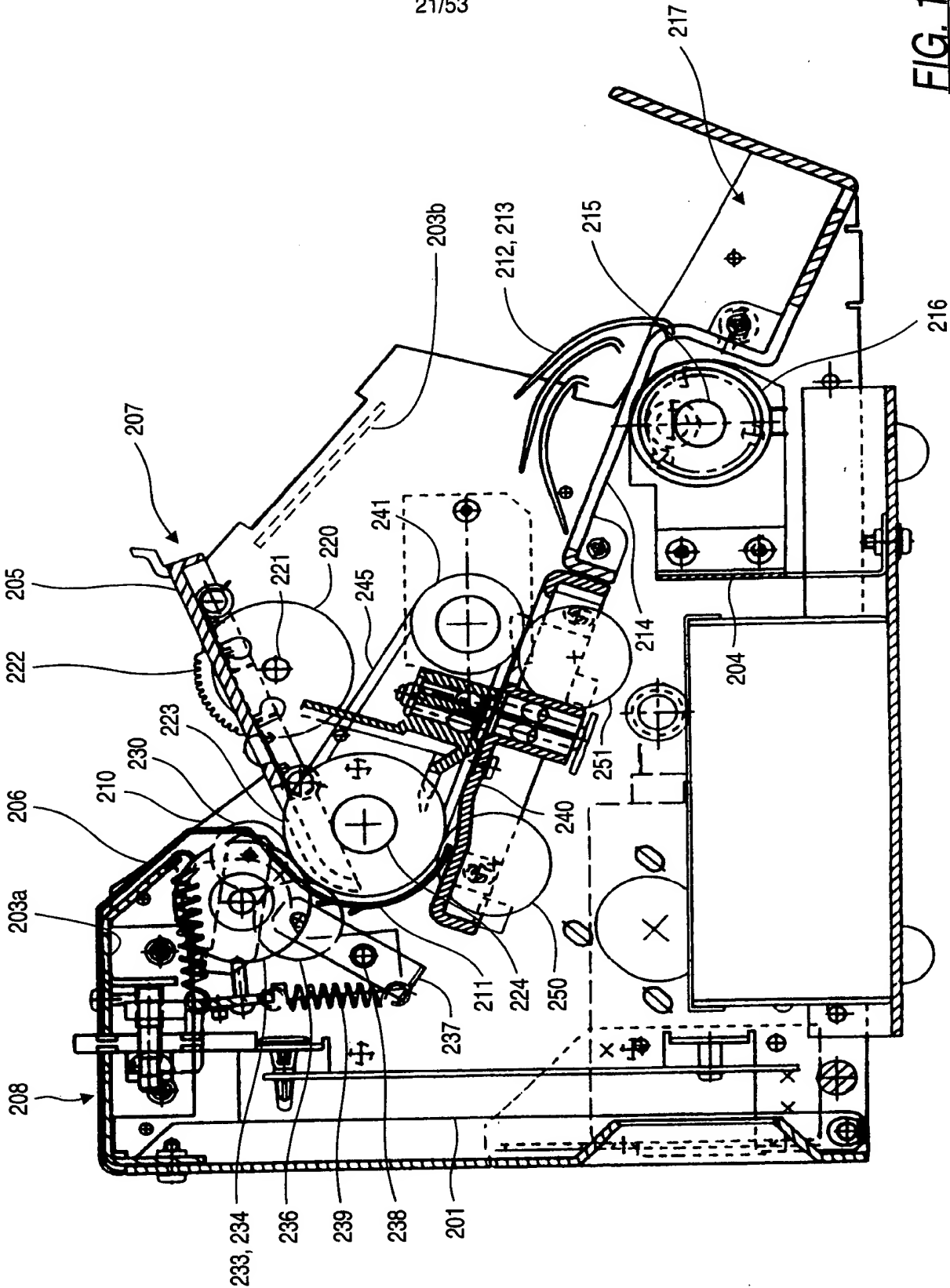


FIG. 19

APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

062150" 0259/060

22/53

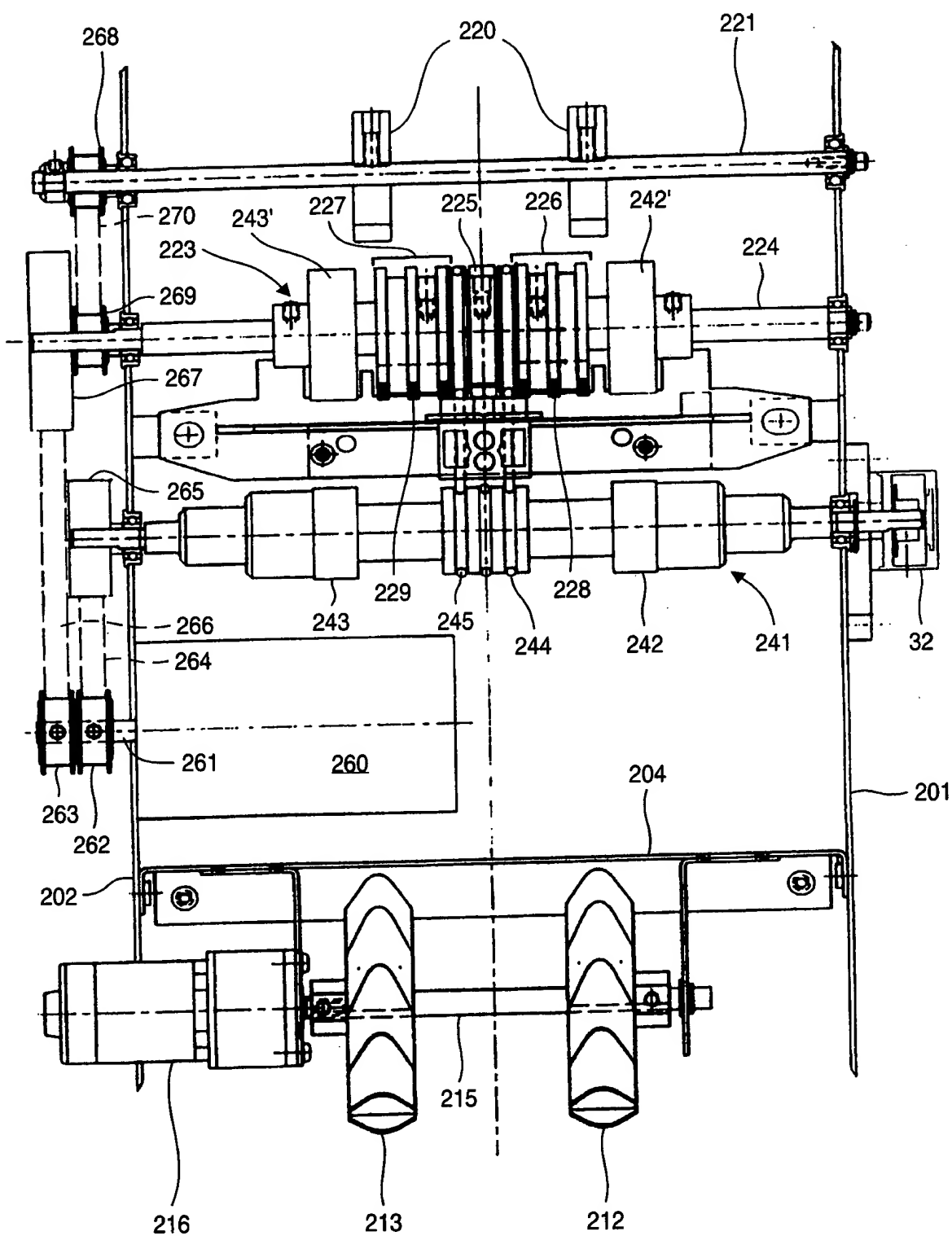


FIG. 20

APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

362F50" 32594060

23/53

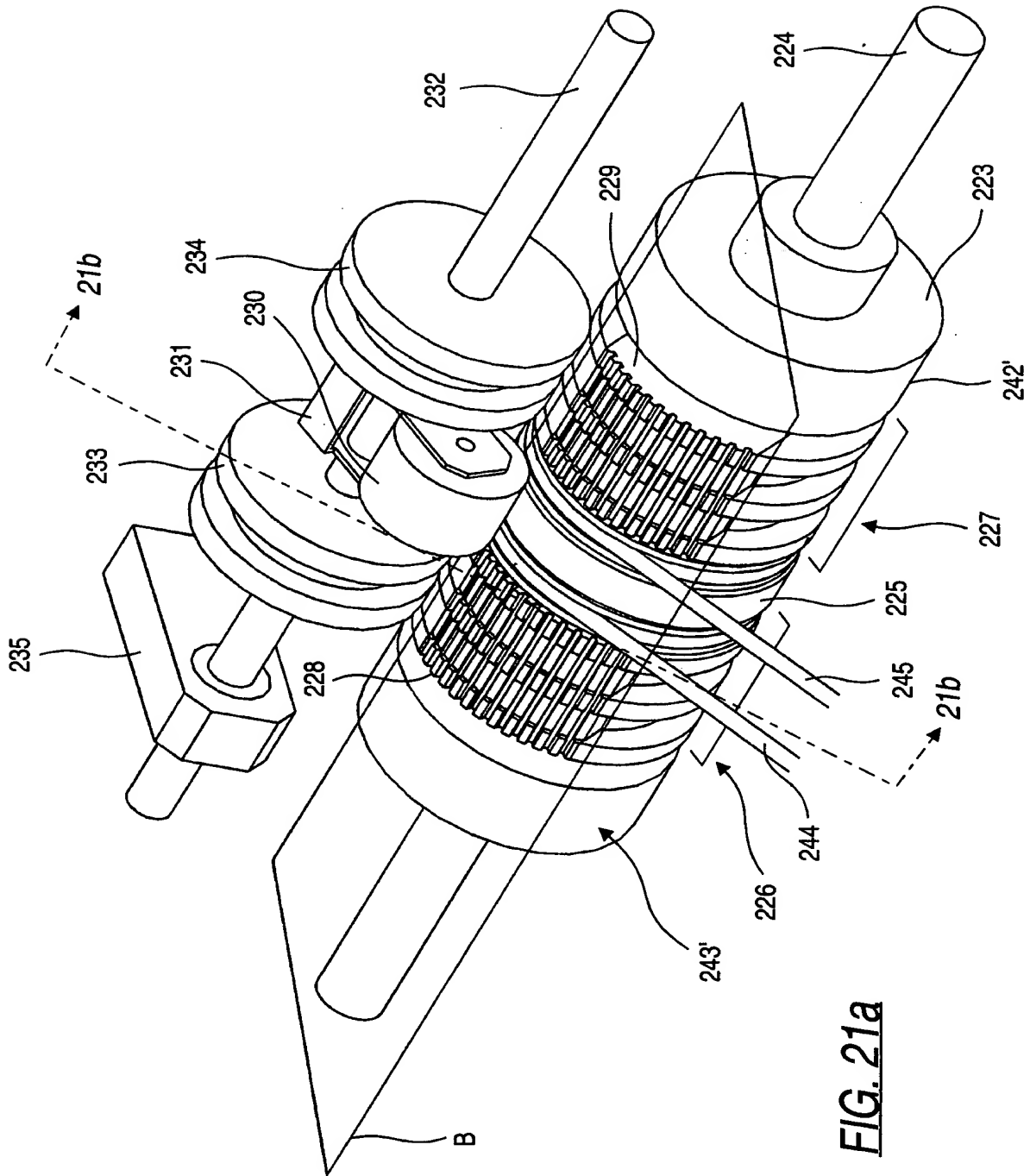


FIG. 21a

APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

862750" 8253/060

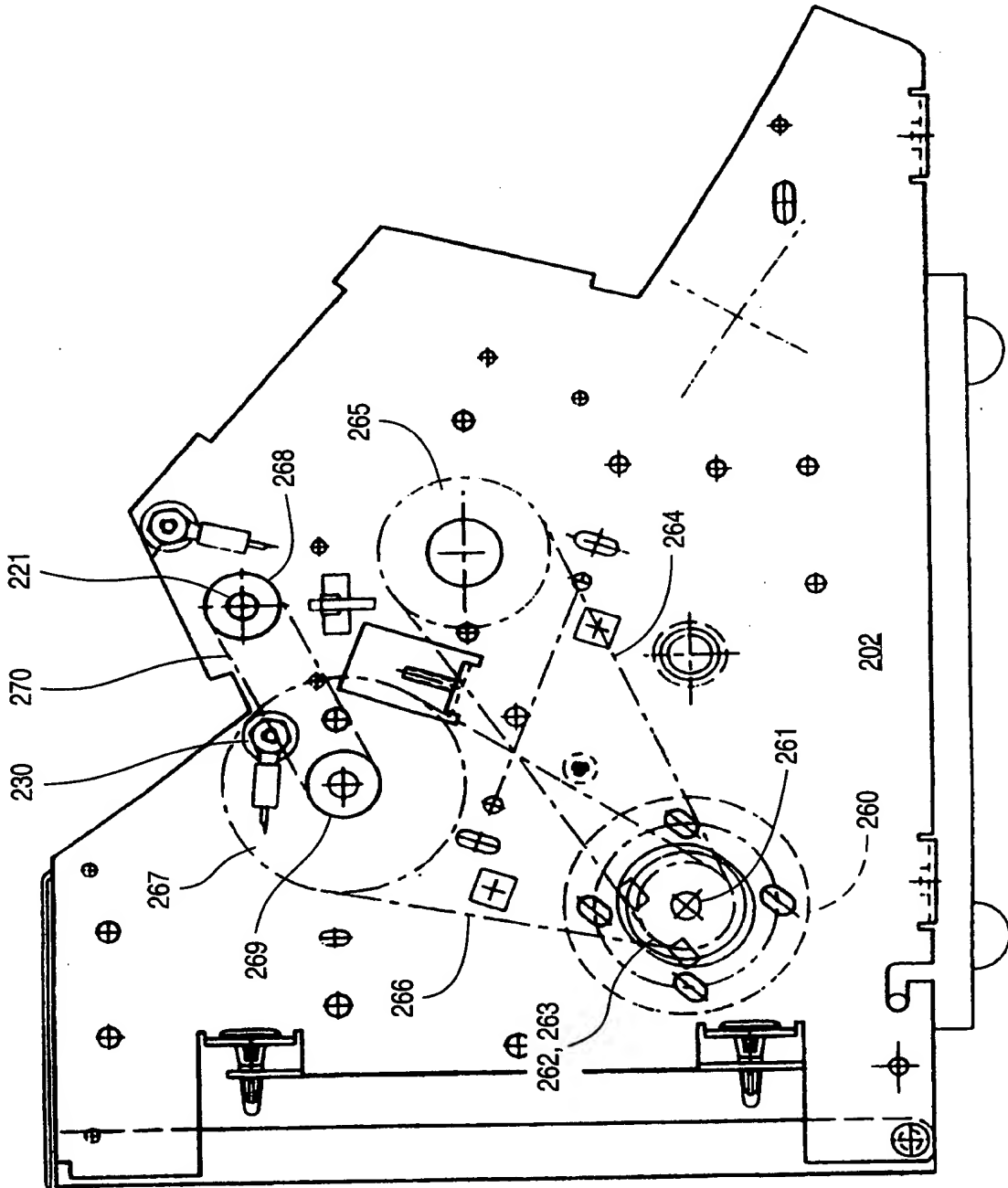
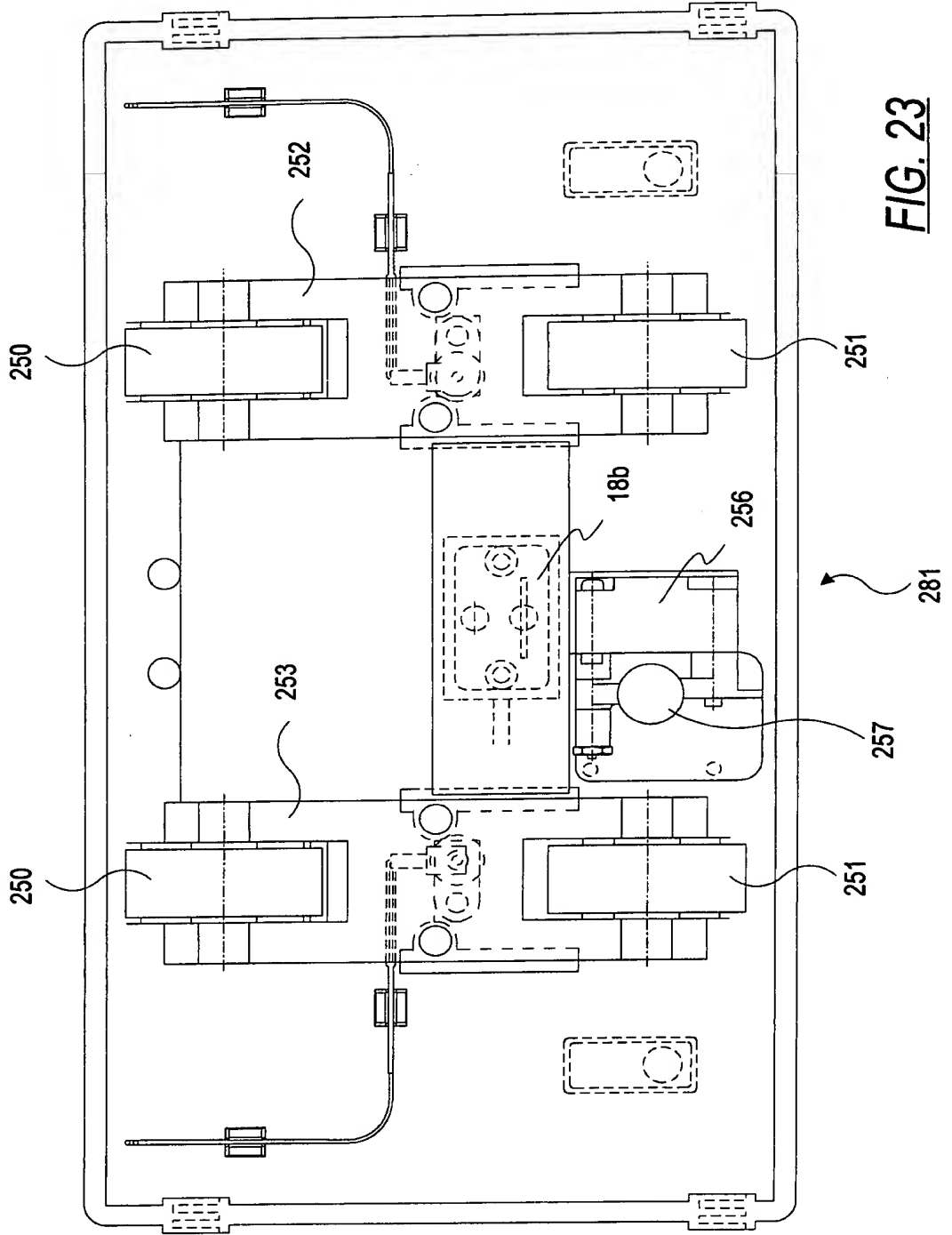


FIG. 22

862FS0" 82992060

APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

26/53



362F50" 8259/060

APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

27/53

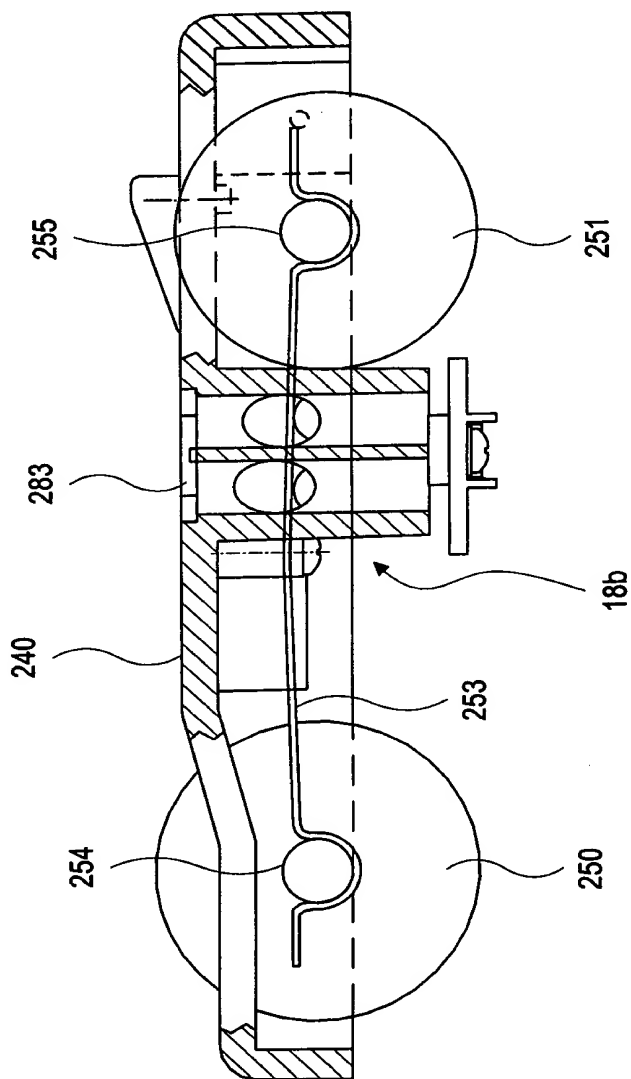


FIG. 24

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

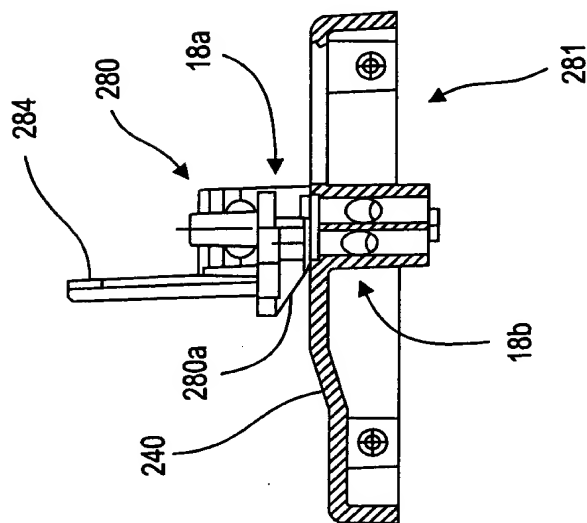
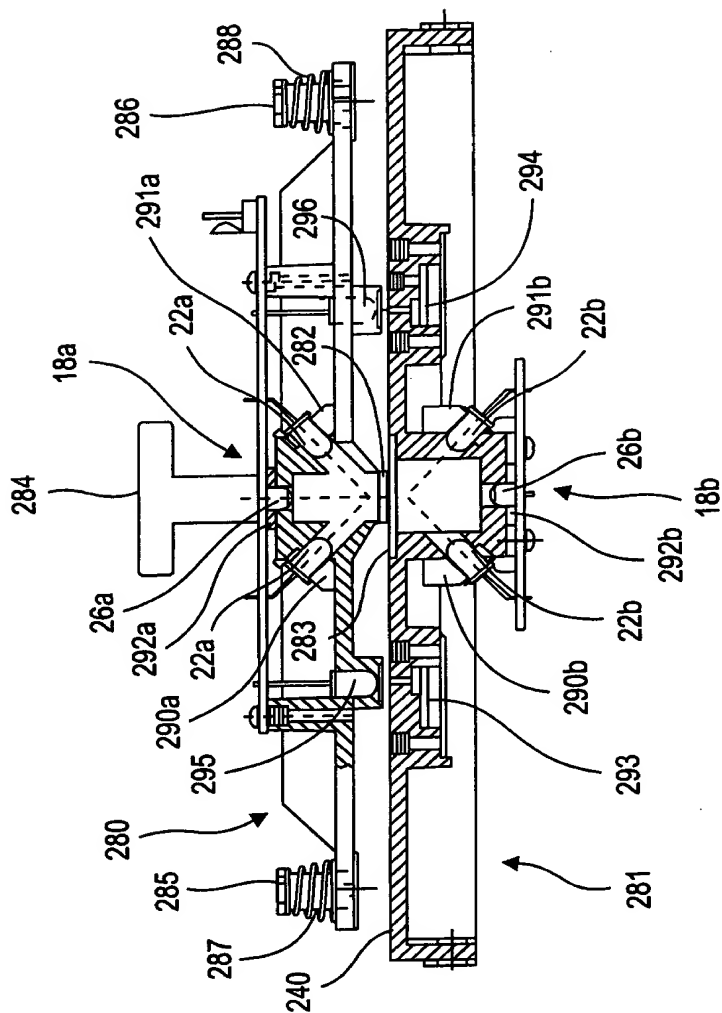


FIG. 26



862FS0" 82592060

APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

29/53

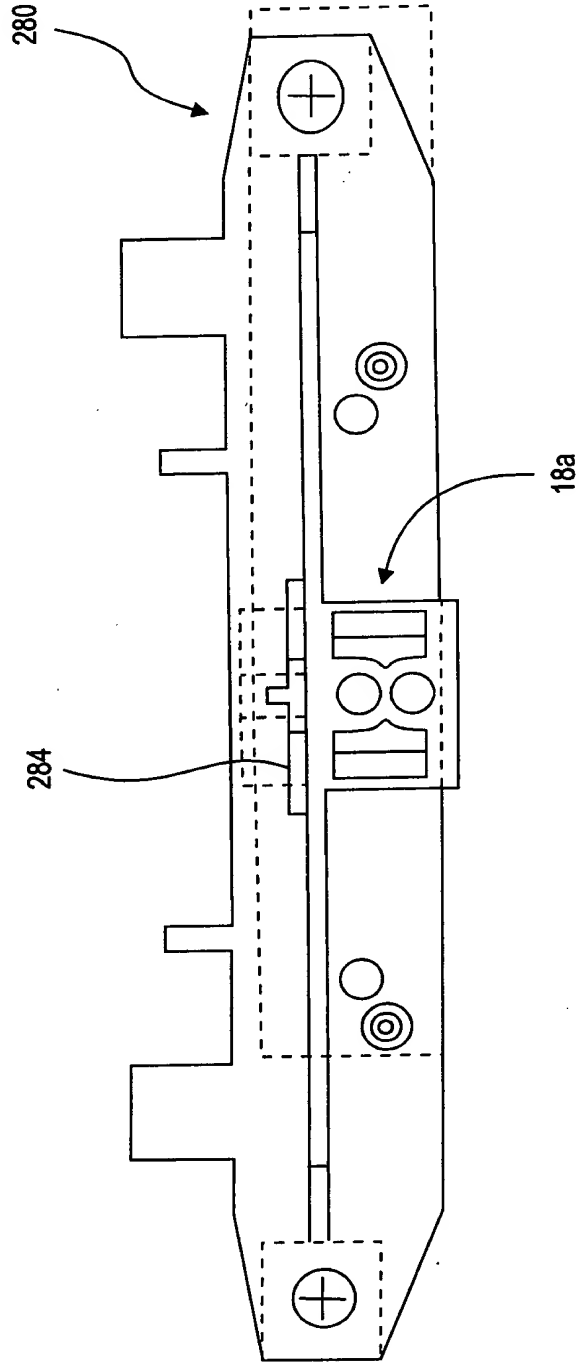


FIG. 27

APPROVED	Q.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

32594056

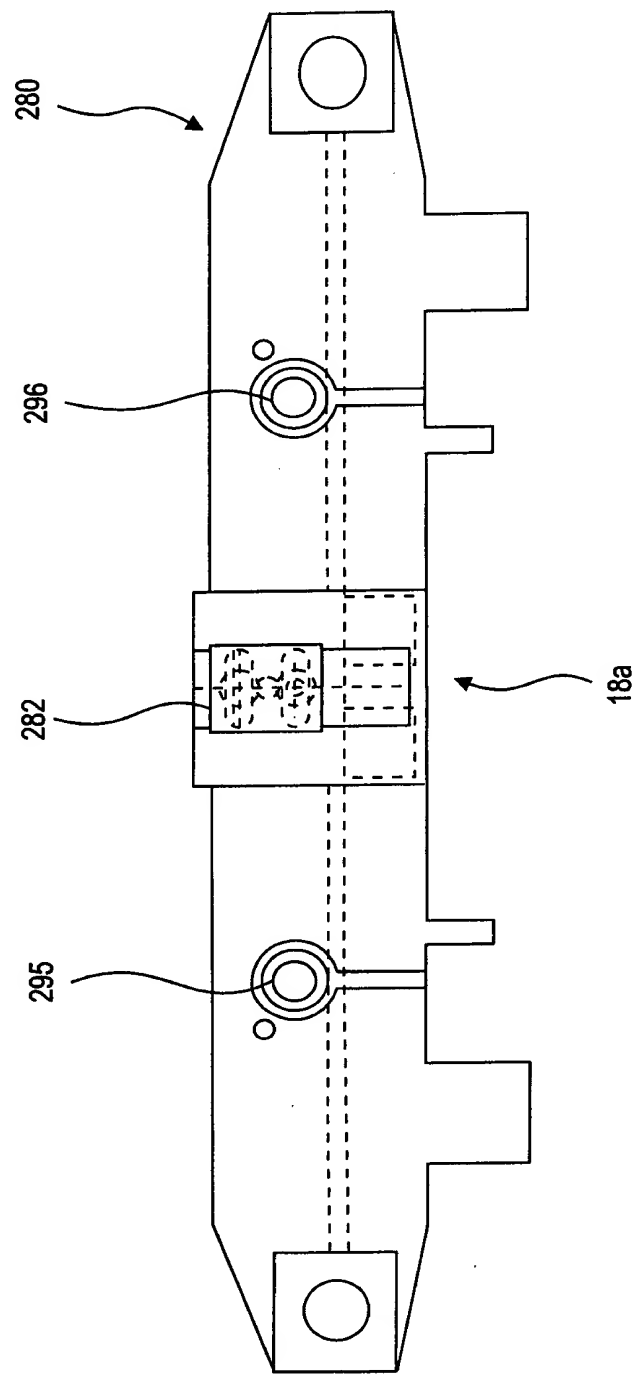


FIG. 28

LIGHT SOURCE OUTPUT

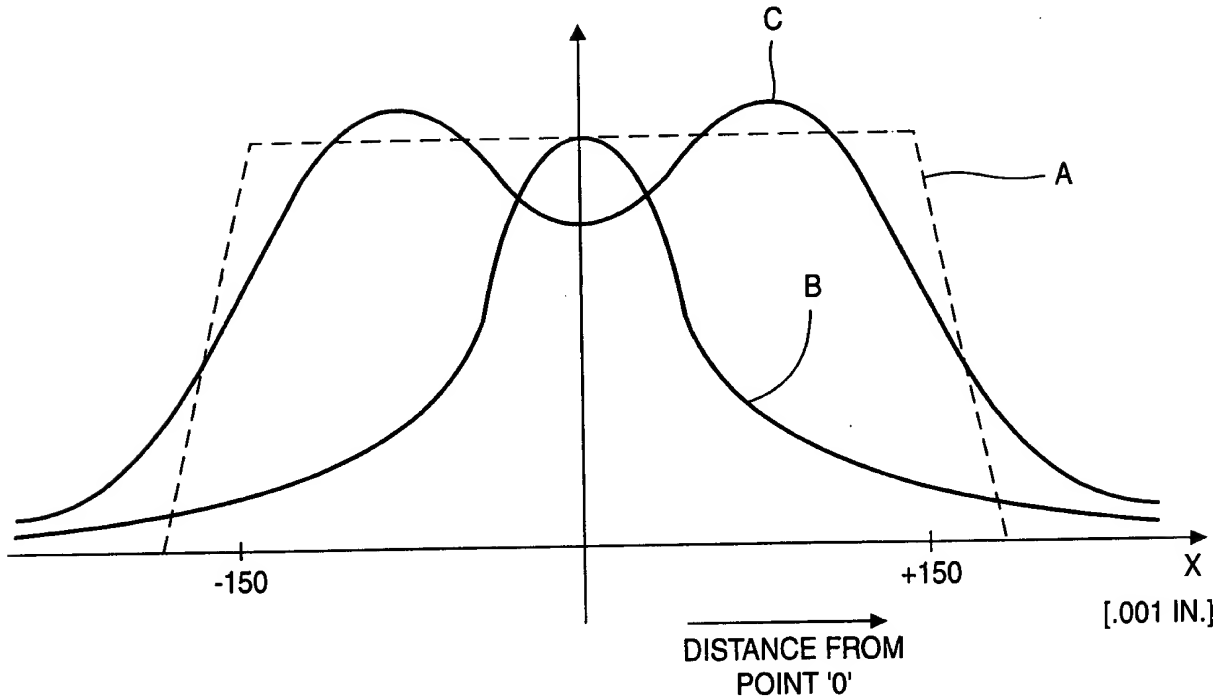


FIG. 29

DIRECTION OF
BILL FLOW

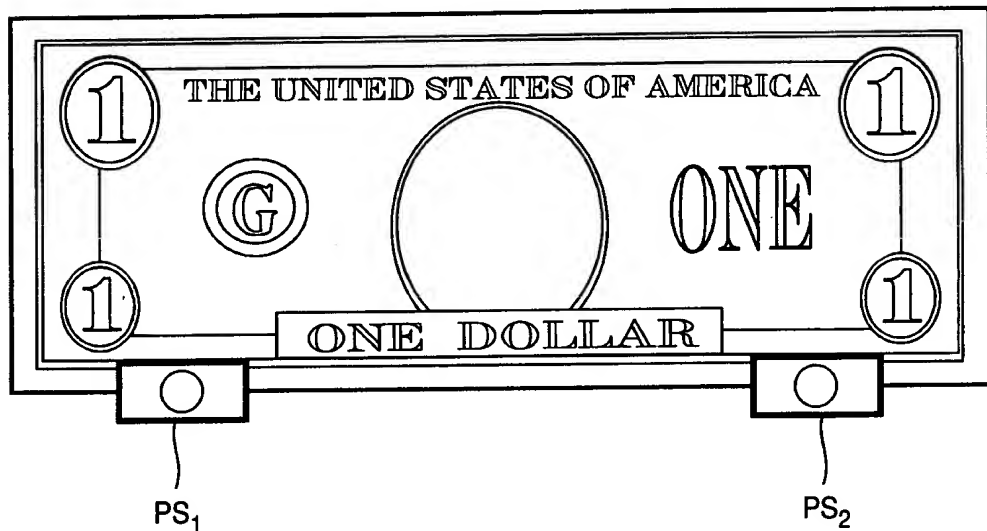


FIG. 30

APPROVED **O.G. FIG.**
BY **CLASS SUBCLASS**
DRAFTSMAN

362F50" 82994060

APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

06250" 82592060

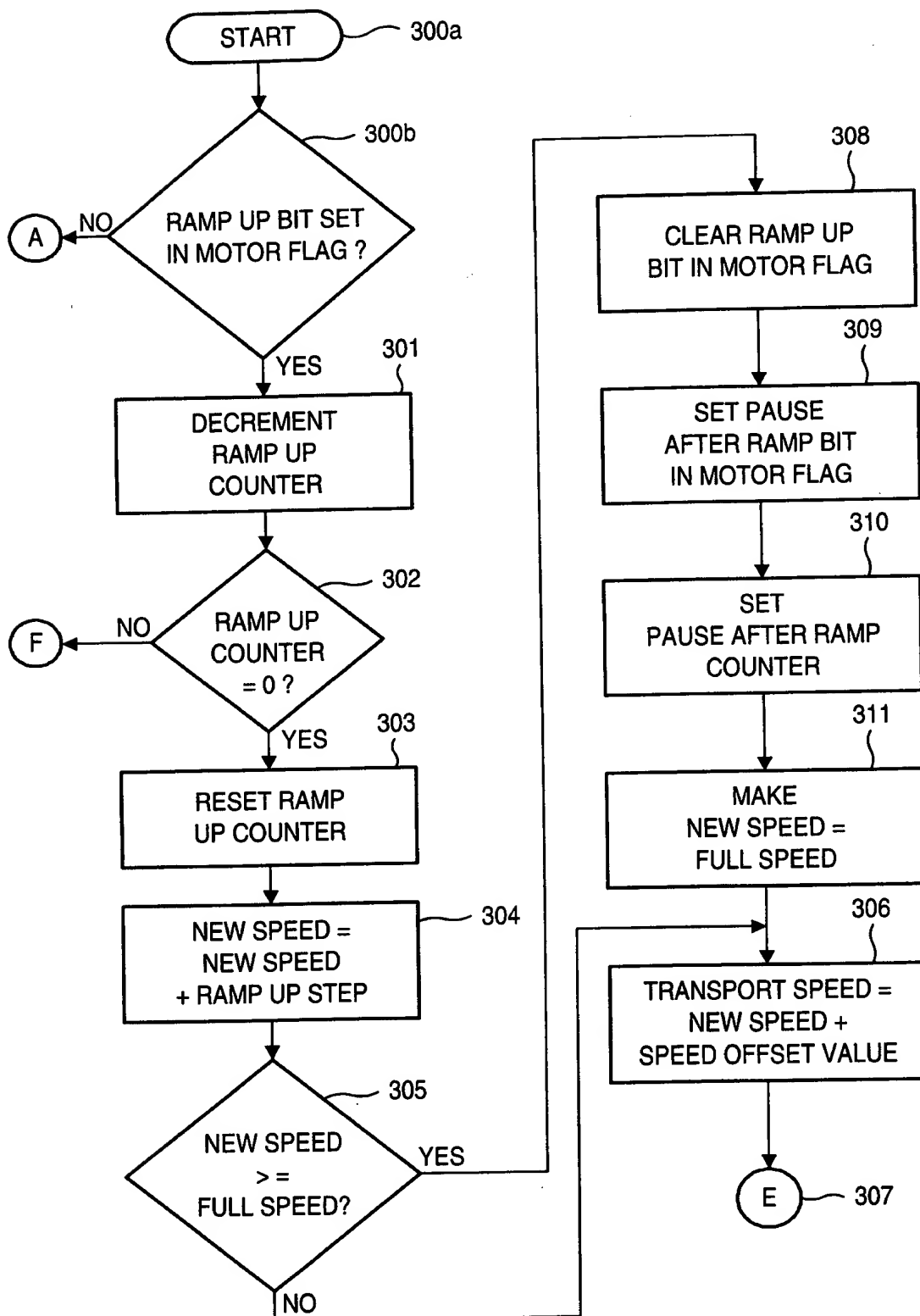


FIG. 31

APPROVED	D.G. FIG.
BY	CLASS / SUBCLASS
DRAFTSMAN	

362750" 325921050

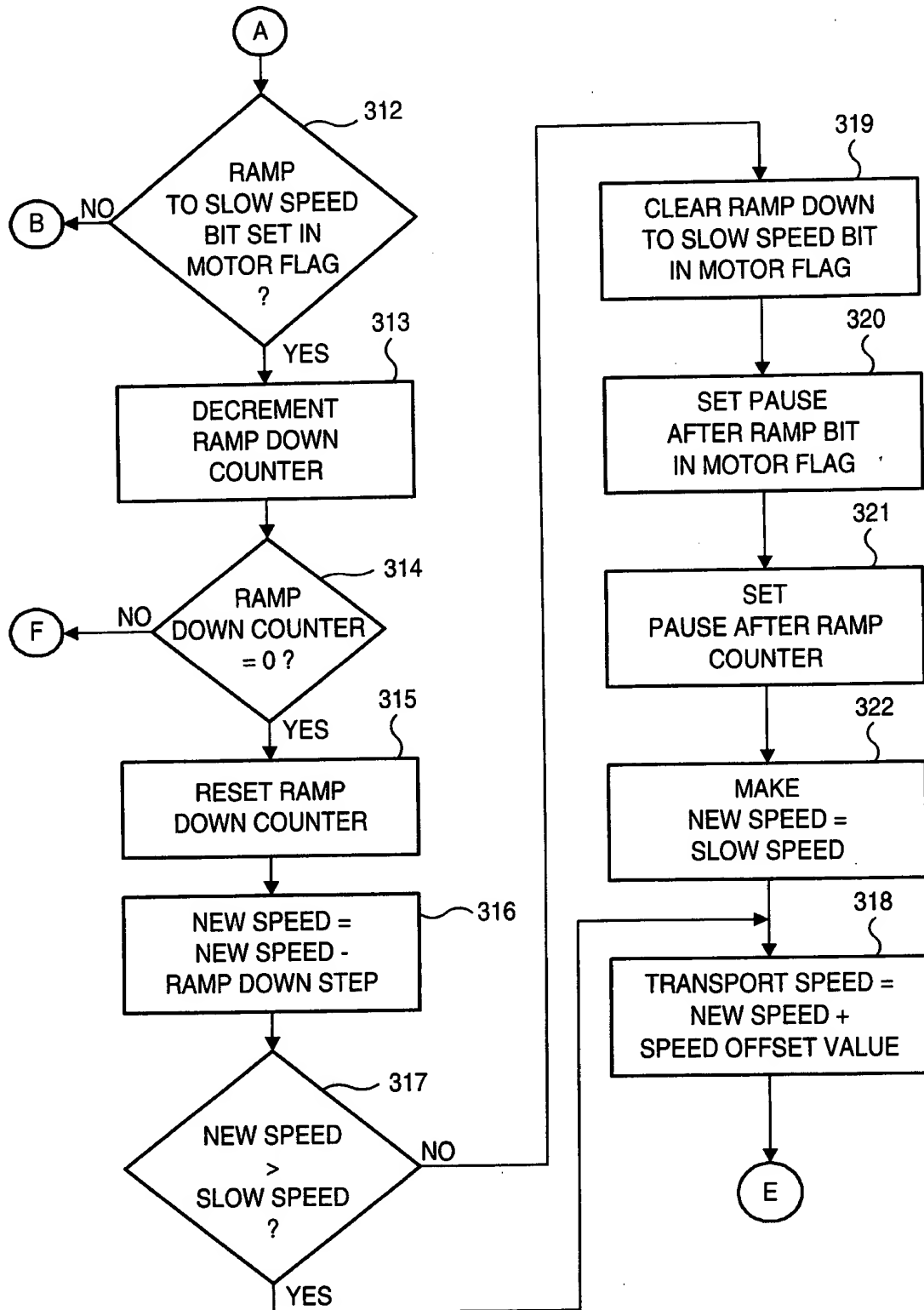


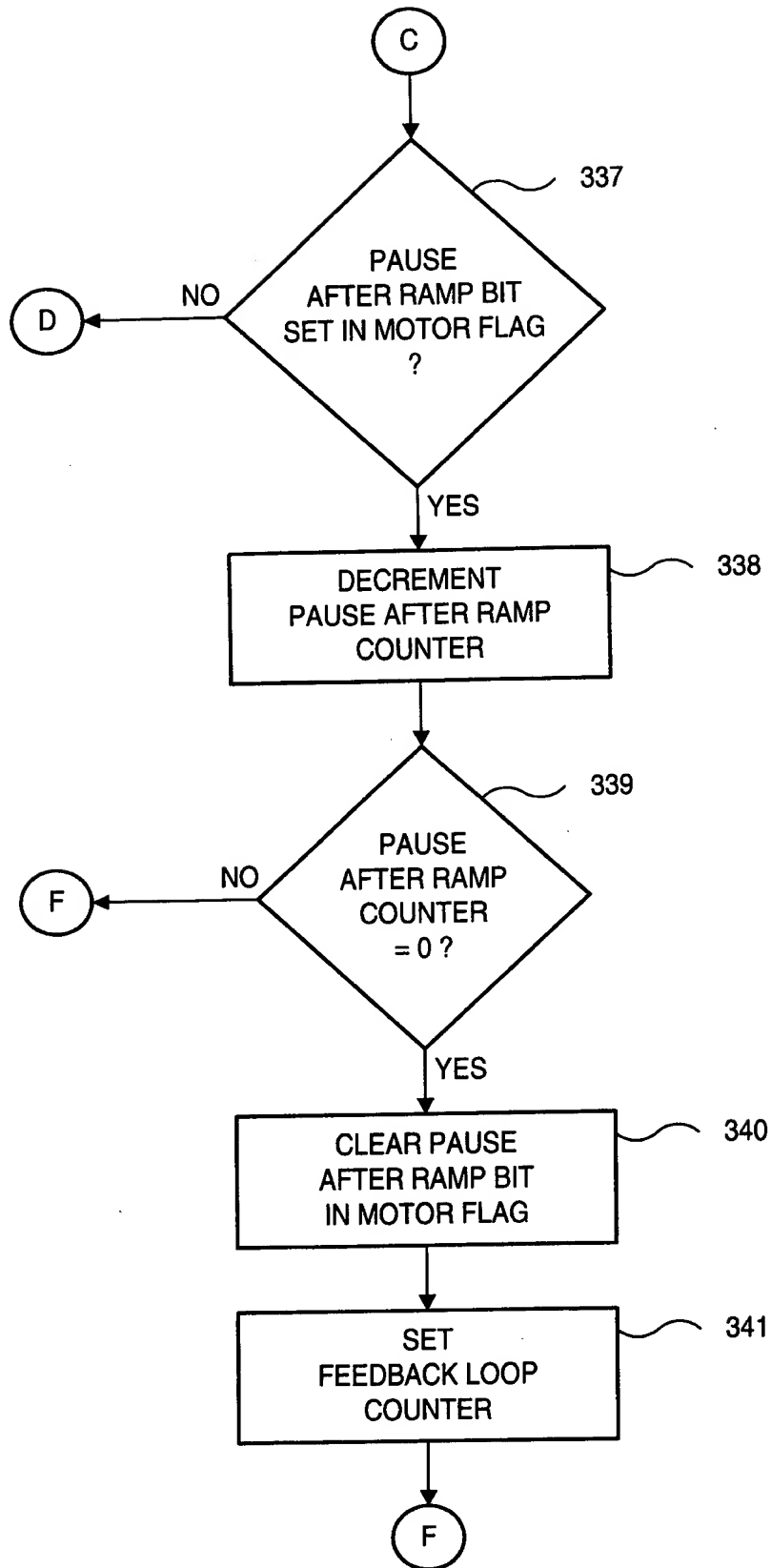
FIG. 32

U.S. DEPARTMENT OF AGRICULTURE



APPROVED	O.G. FIG.	CLASS	SUBCLASS
BY			
DRAFTSMAN			

1362750-82592060

***FIG. 34***

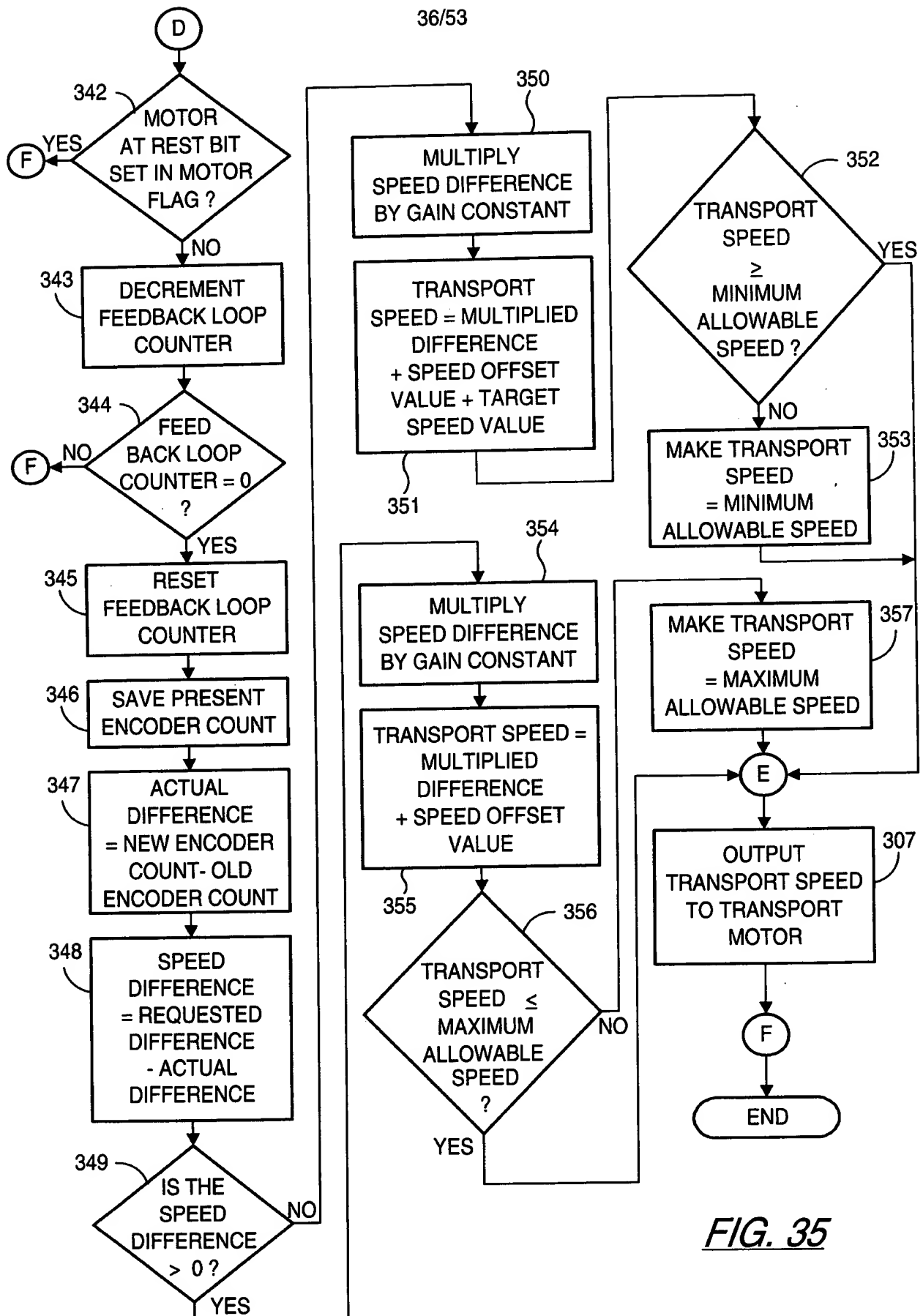


FIG. 35

APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

002150" 82592060

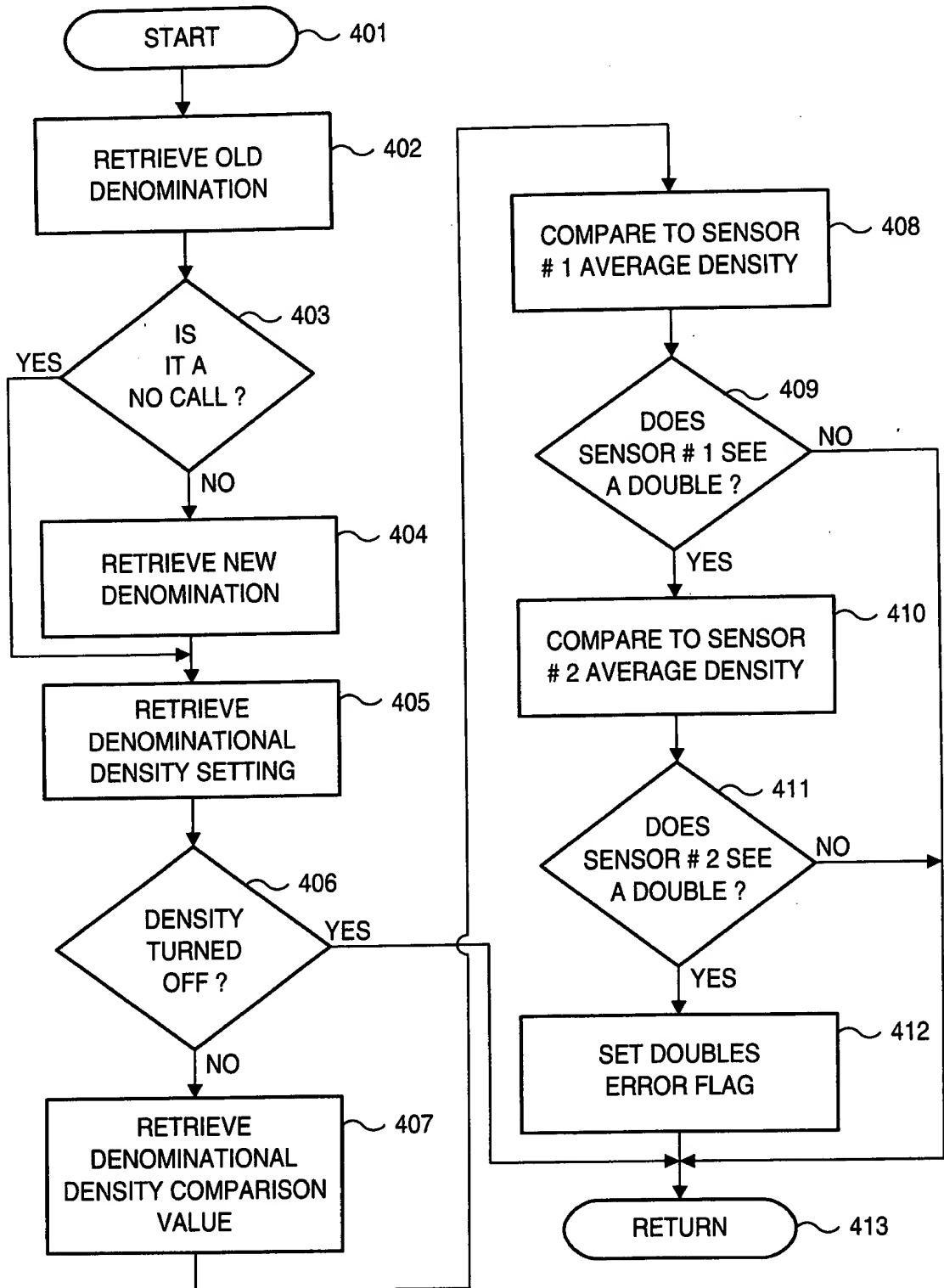
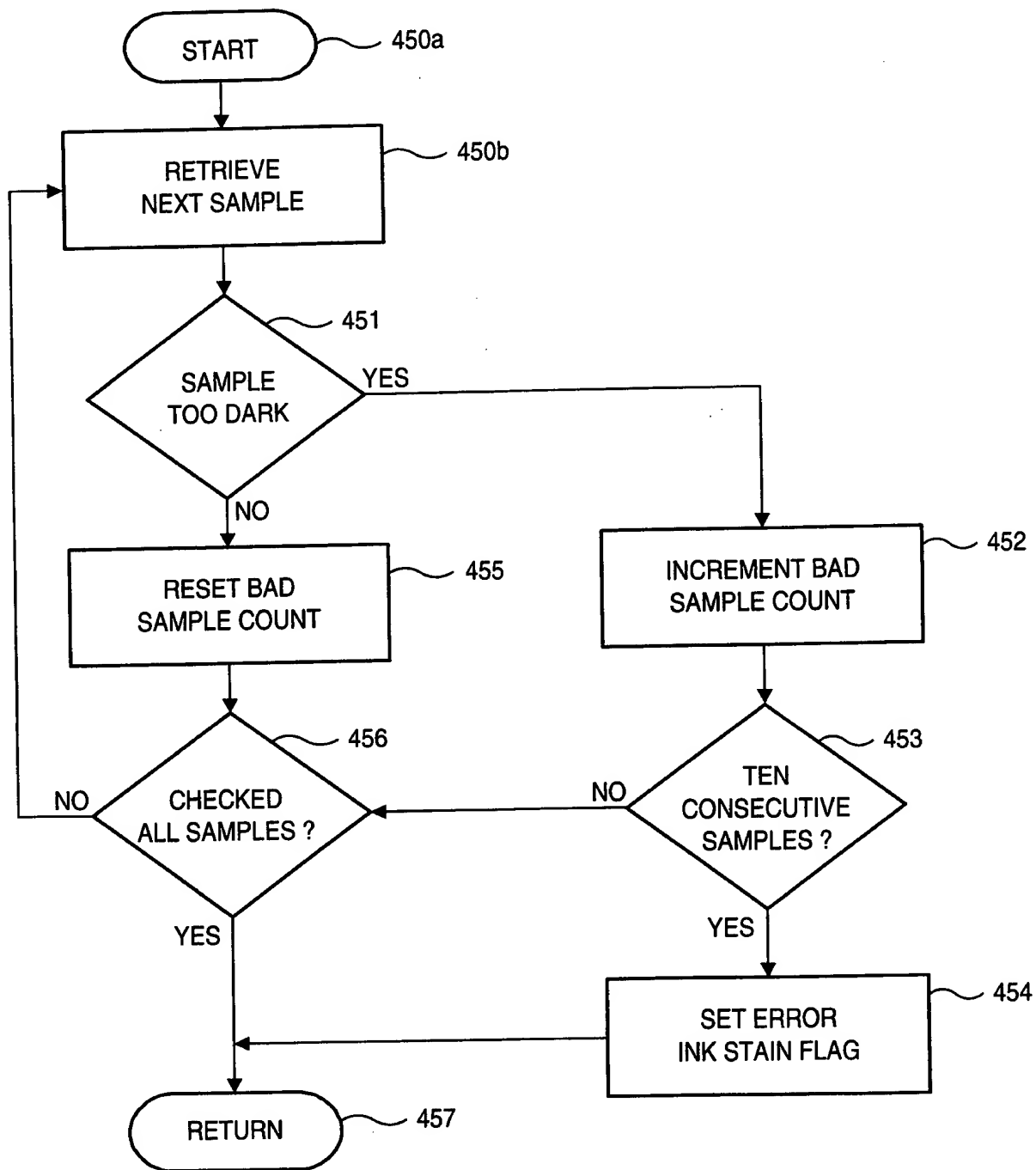


FIG. 36

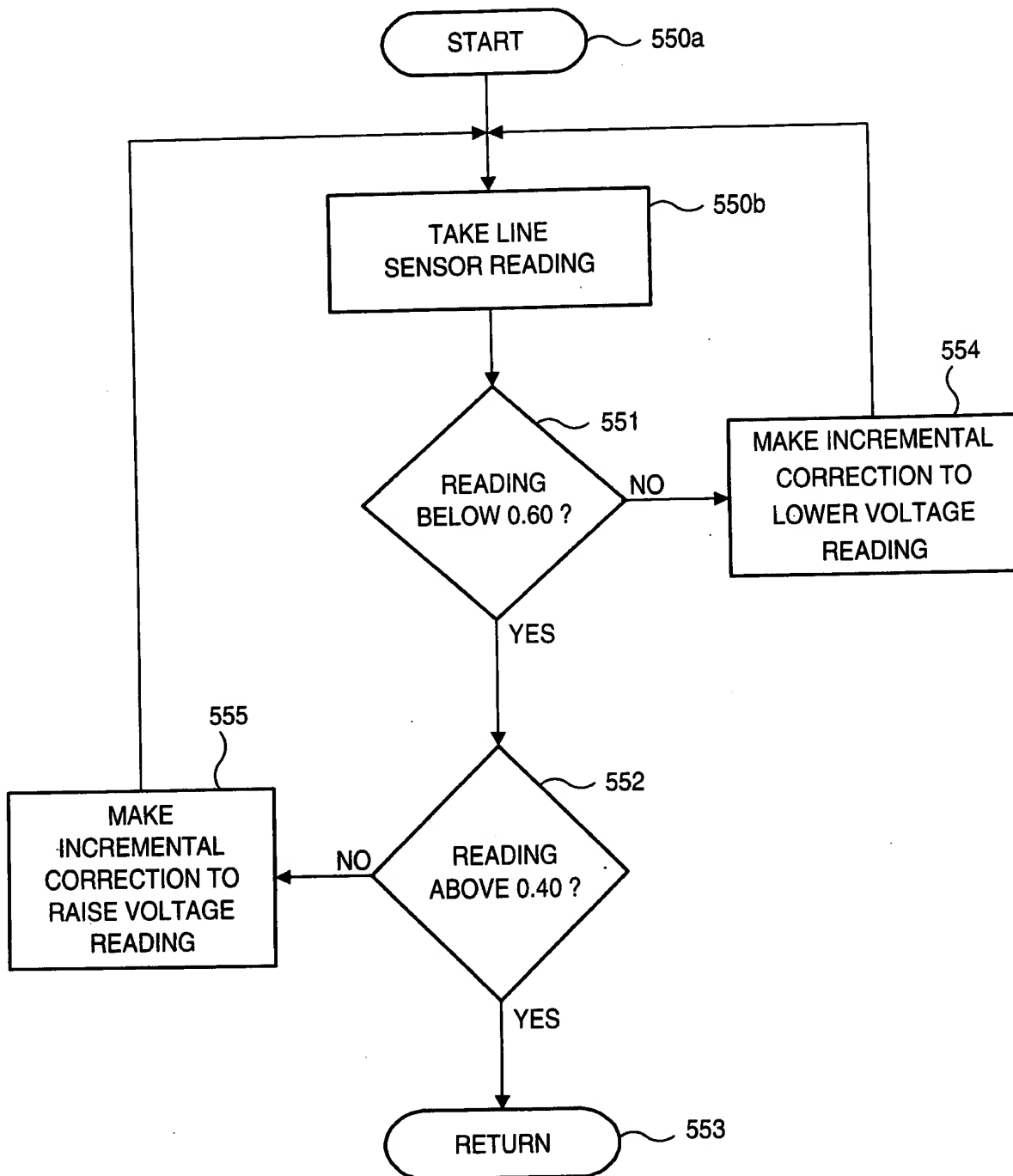
APPROVED	0.0. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

00290" 02592060

**FIG. 37**

APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

862750" 8259/060

*FIG.38*

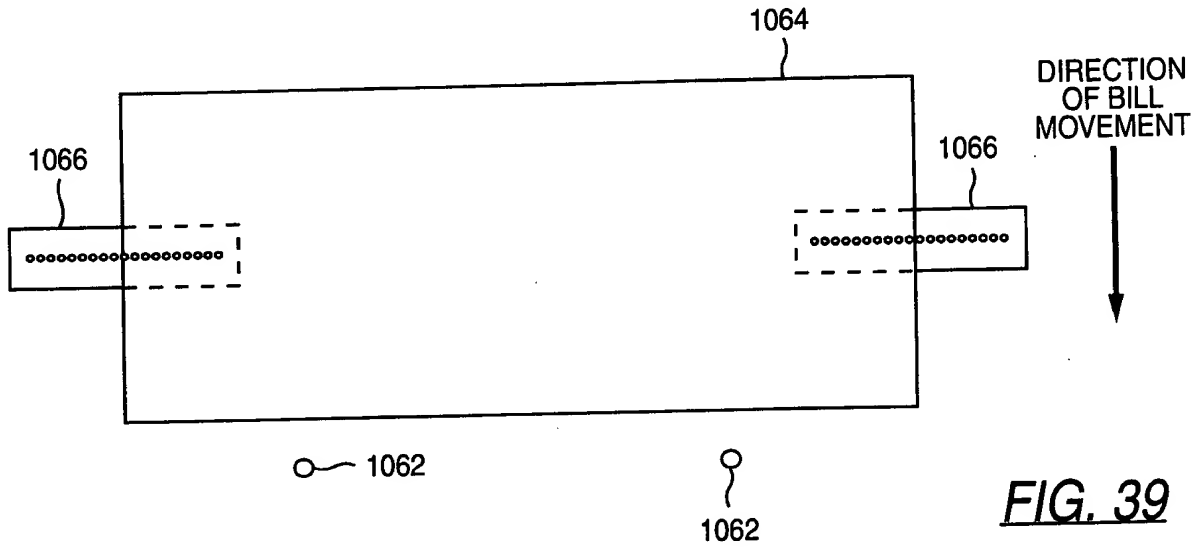


FIG. 39

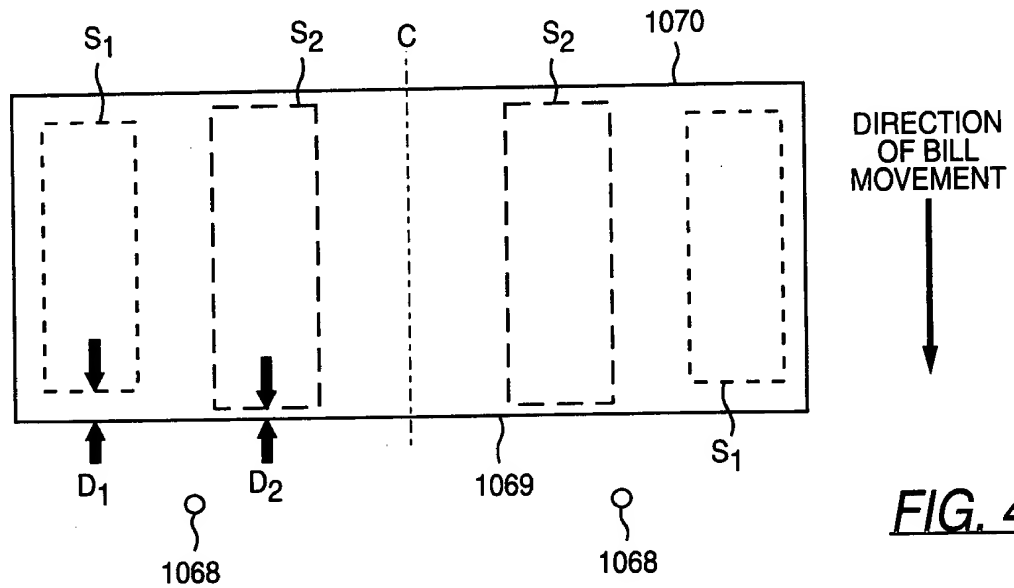


FIG. 40

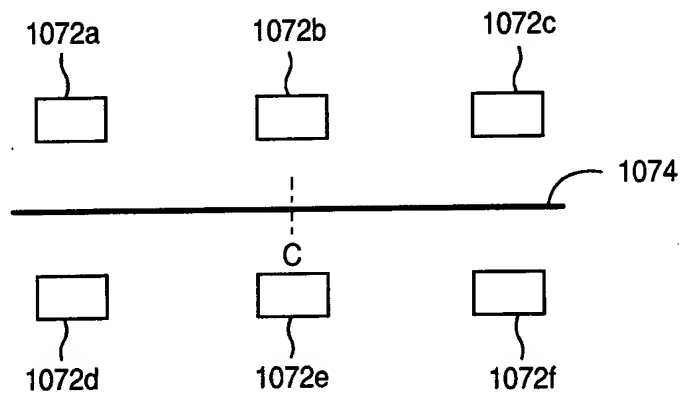


FIG. 42

APPROVED	Q.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

862F30" 82994060

APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

36250" 3259205

41/53

\$ 20 BEFORE SHIFTING : CORR = 644

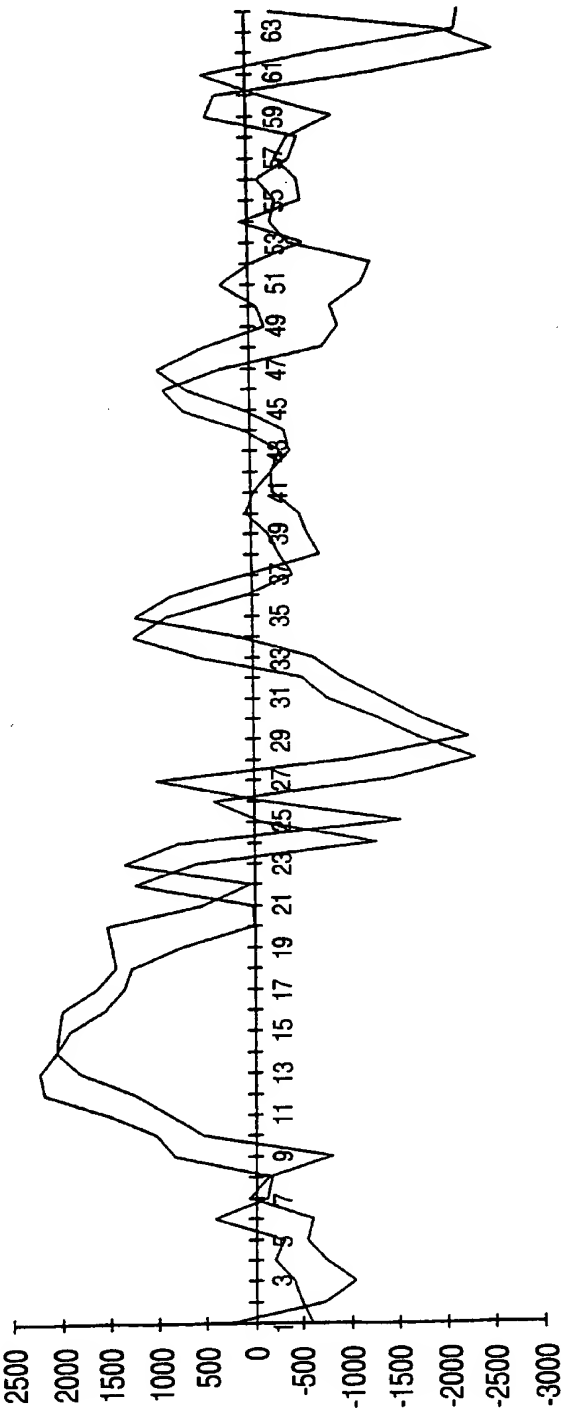


FIG. 41a

APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

362F50" 82534060

\$ 20 AFTER SHIFTING : CORR = 966

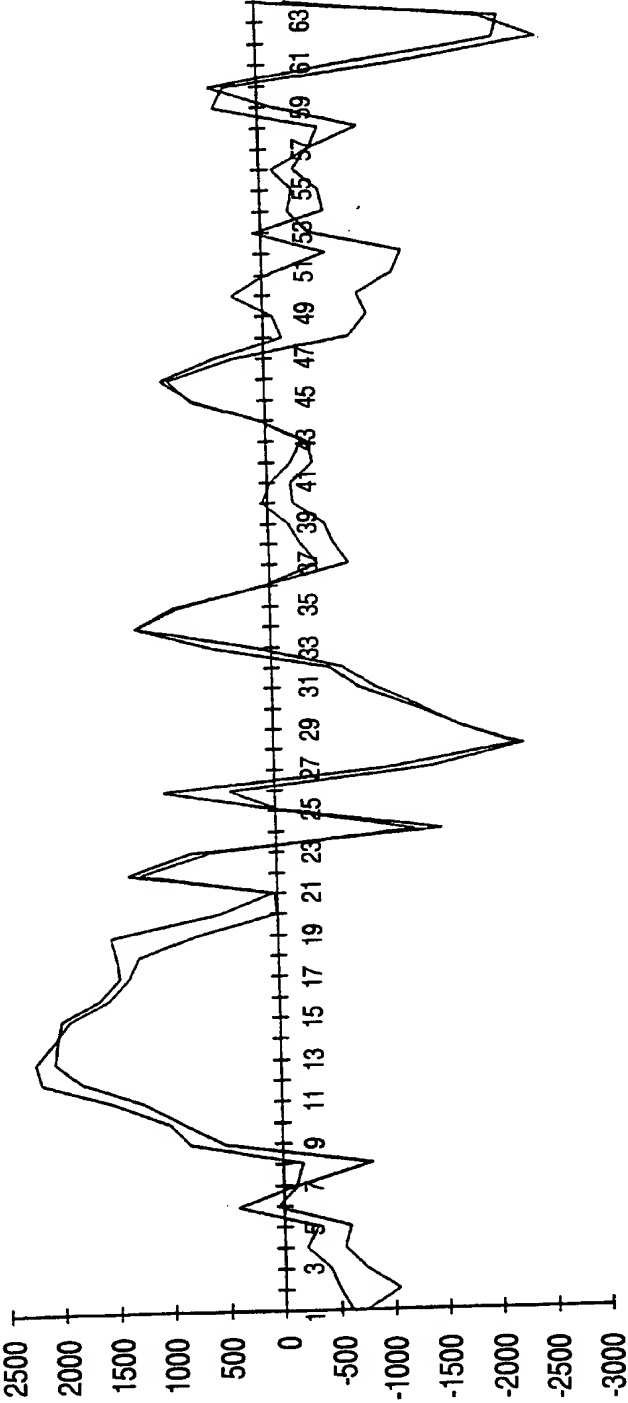
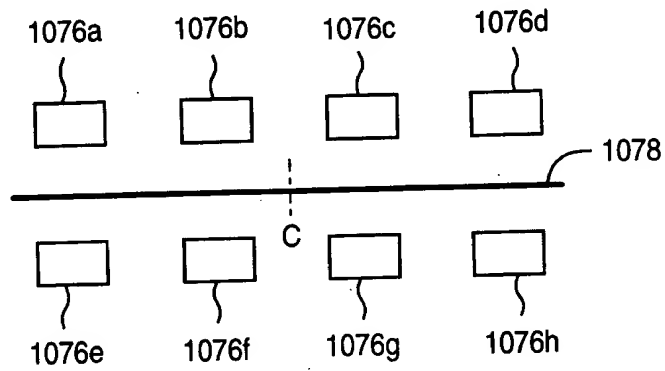
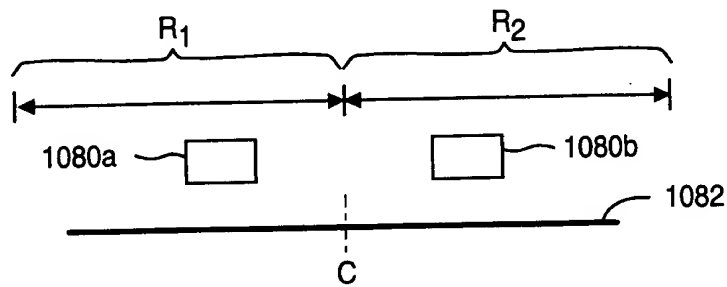
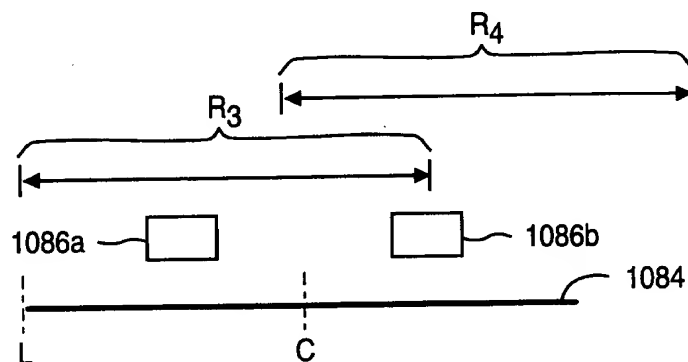


FIG. 41b

FIG. 43FIG. 44FIG. 45

APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

36250" B259/060

APPROVED	O.G. FIG.	CLASS	SUBCLASS
BY			
DRAFTSMAN			

062150" 8259/060

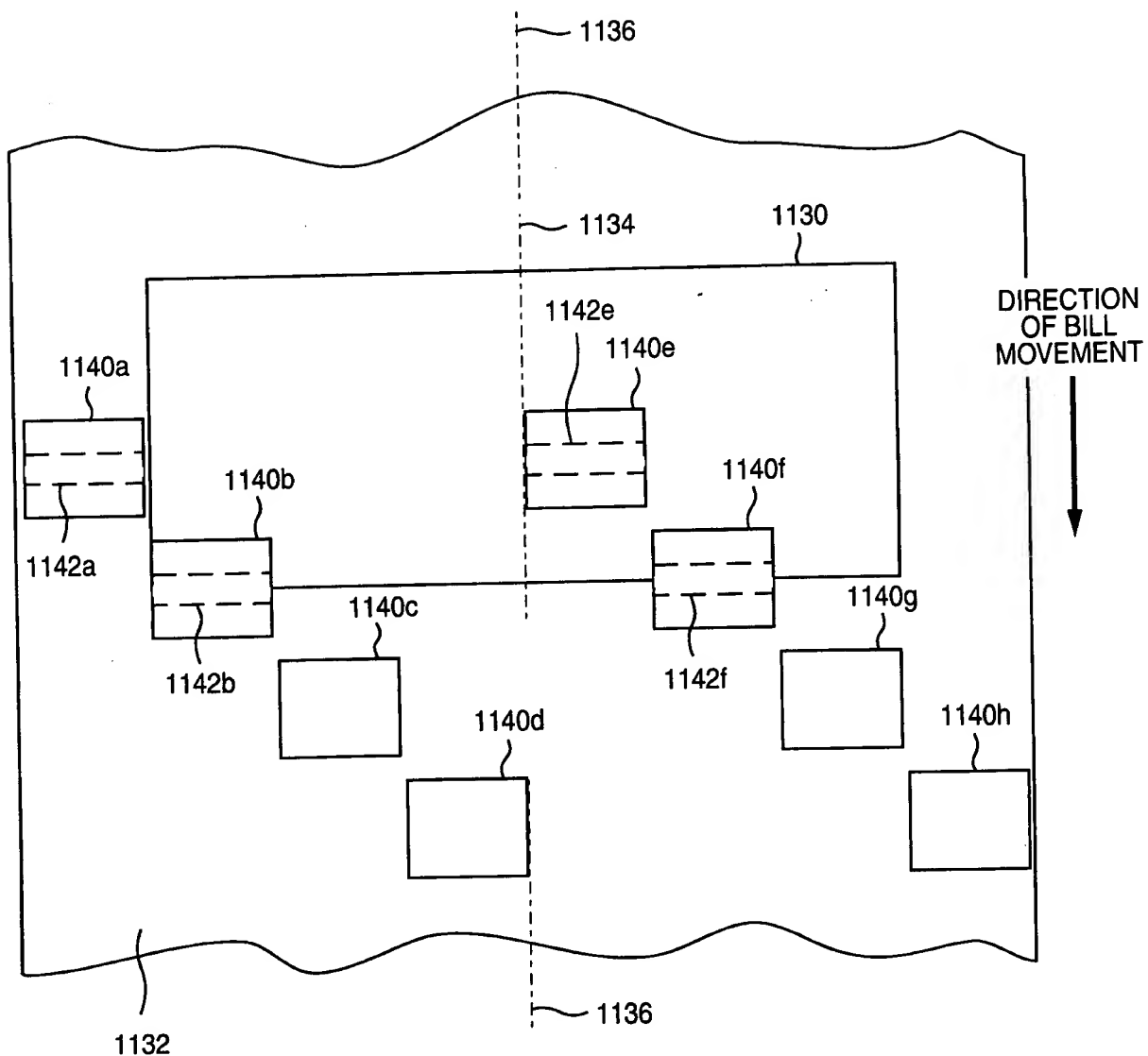


FIG. 46

APPROVED	Q.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

362750" 32592060

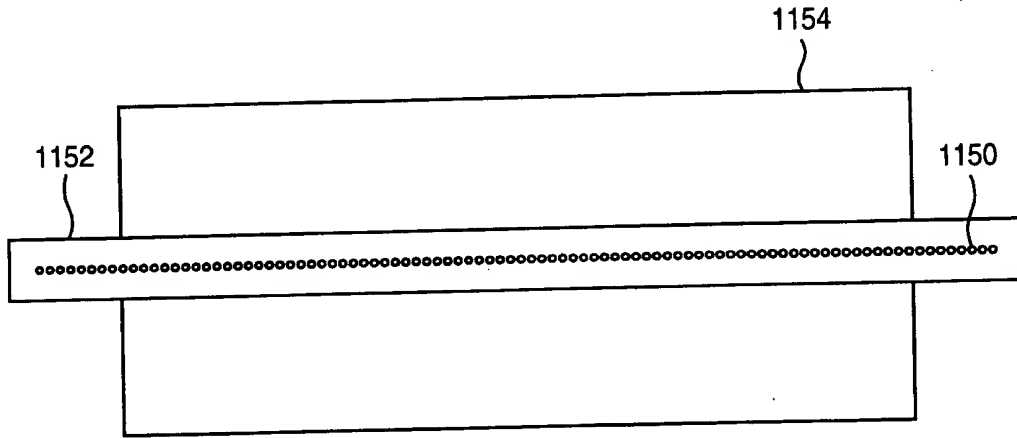


FIG. 47a

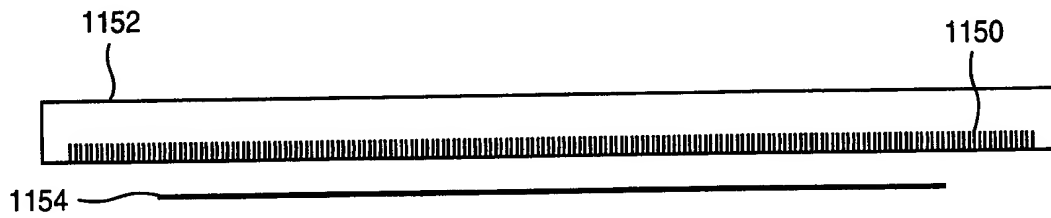


FIG. 47b

APPROVED BY DRAFTSMAN	O.G. FIG.
	CLASS SUBCLASS

062F50" 8259/050

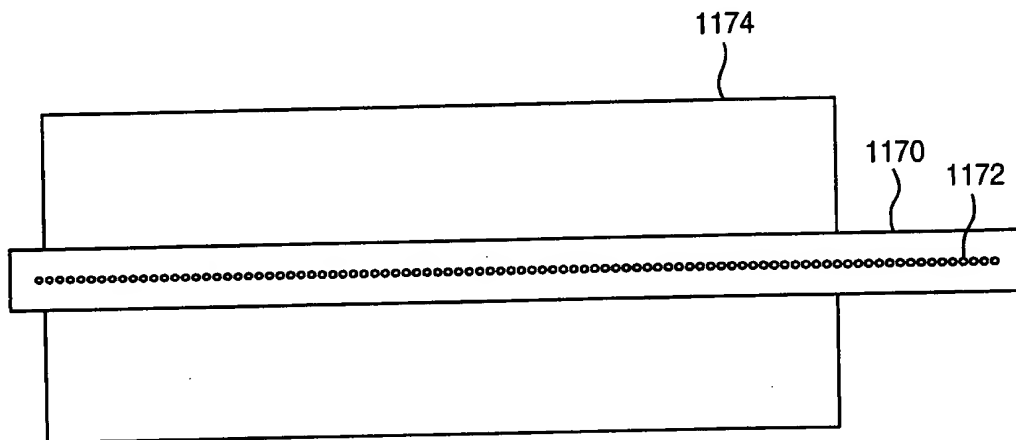


FIG. 48

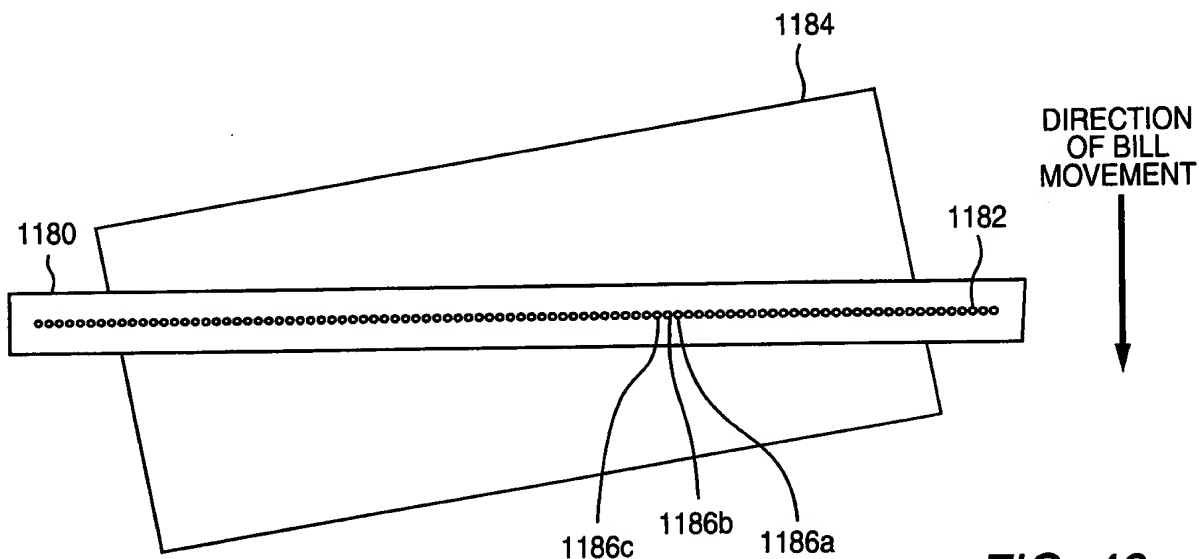
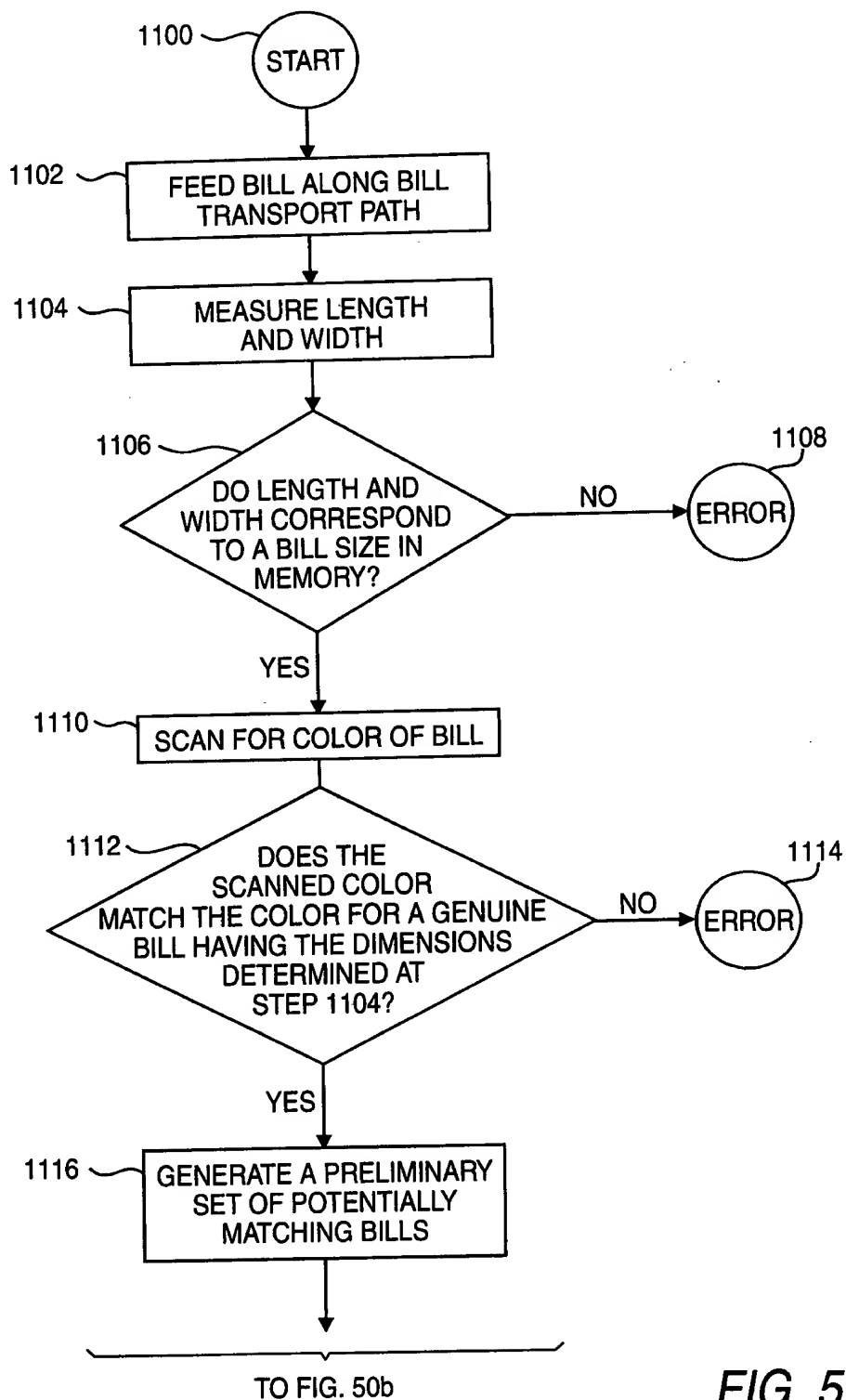


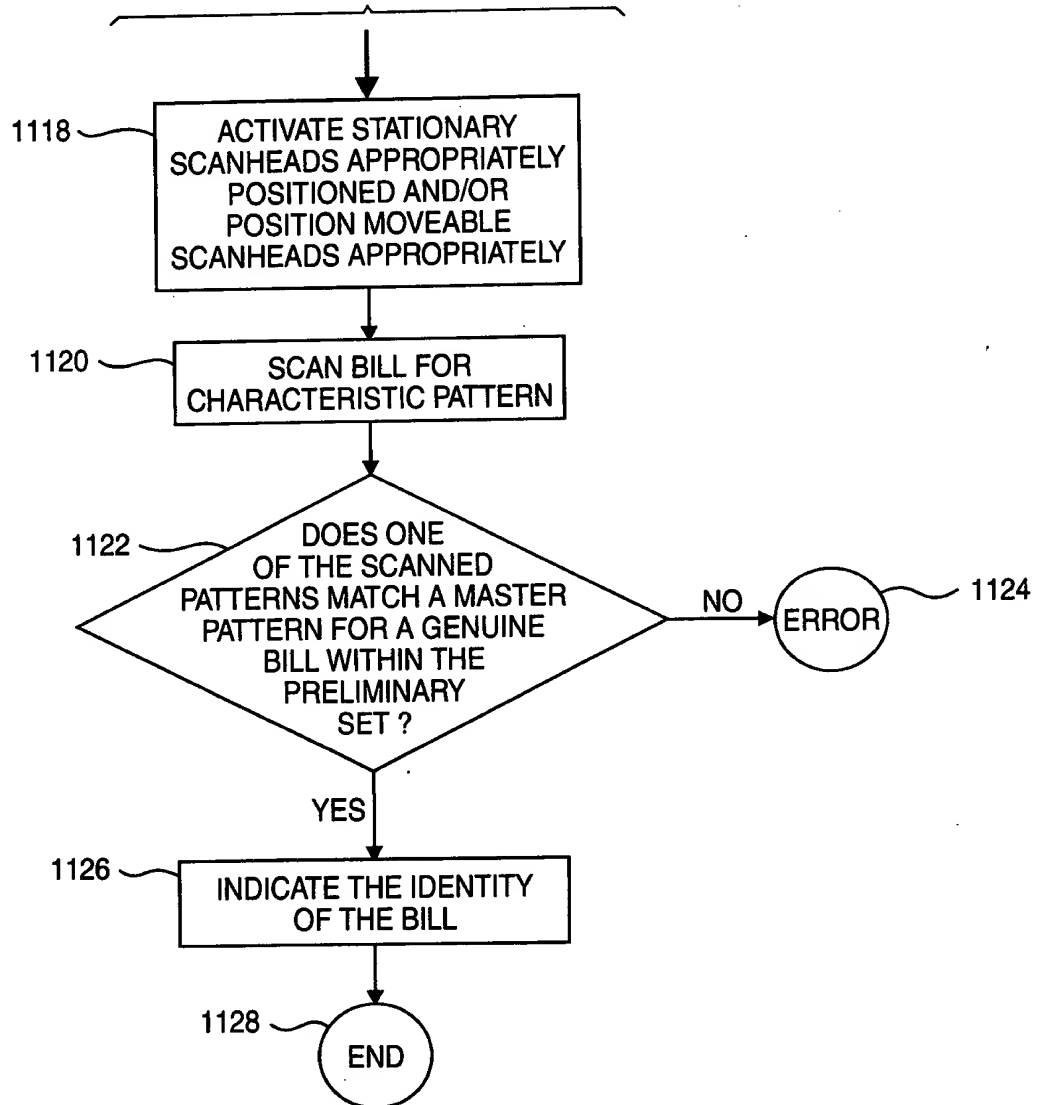
FIG. 49

APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

662F50" 8259/060

**FIG. 50a**

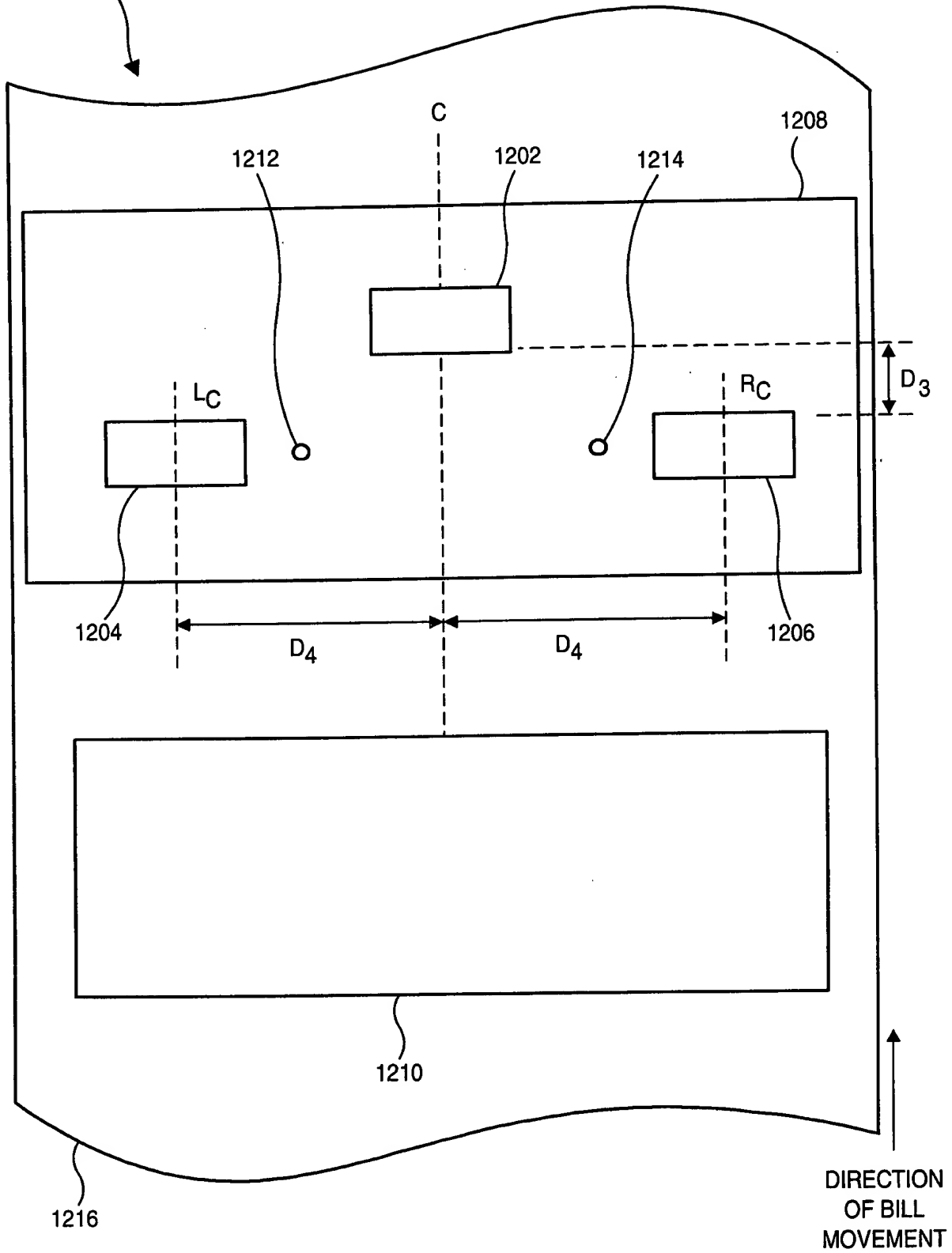
FROM FIG. 50b

*FIG. 50b*

APPROVED	O.G. FIG.	CLASS	SUBCLASS
BY			
DRAFTSMAN			

862150" 8259/060

1200

**FIG. 51**

APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

062F50" 8259/060

APPROVED O.G. FIG. CLASS SUBCLASS
 BY DRAFTSMAN
 362F50" 8259406

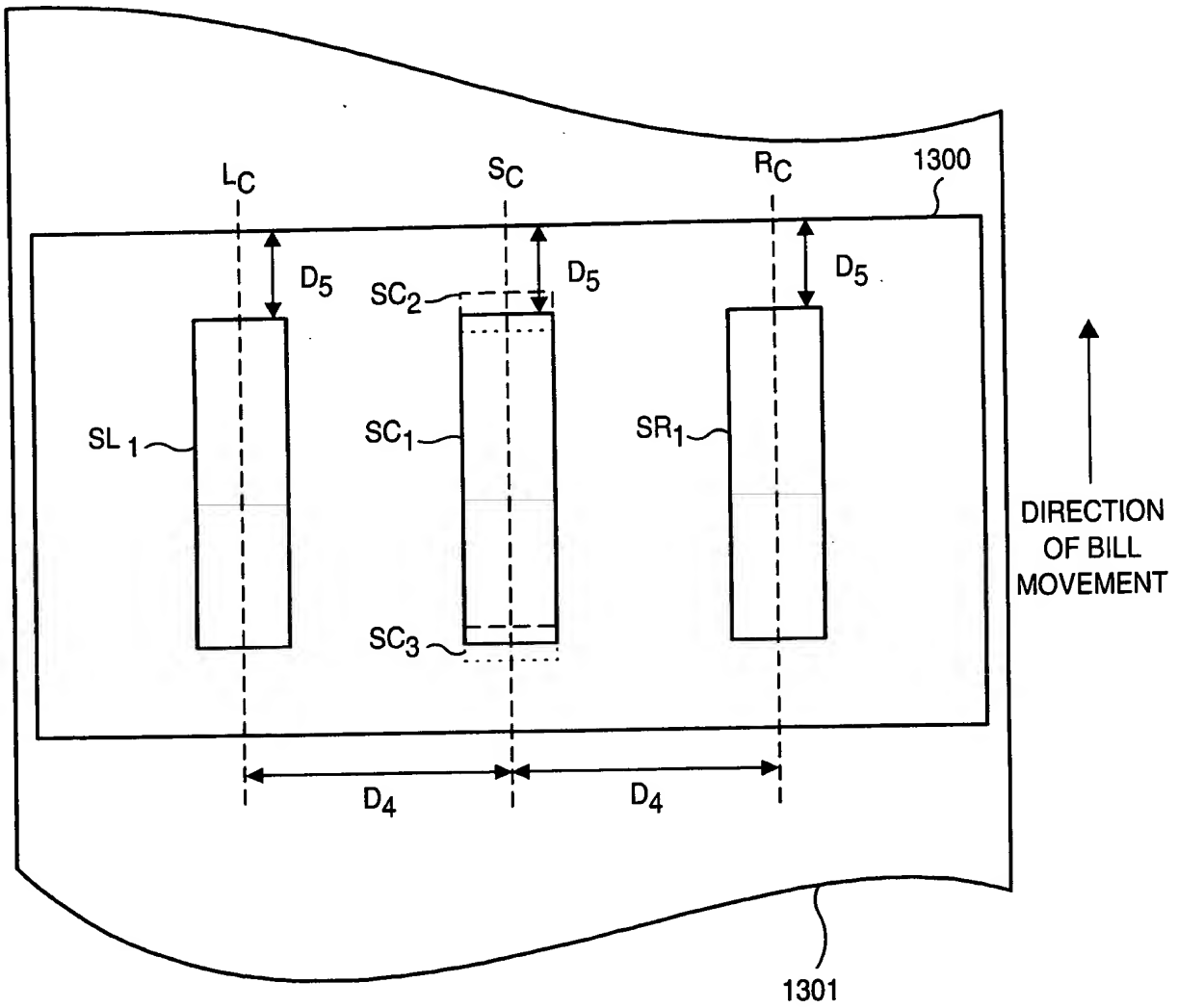


FIG. 52

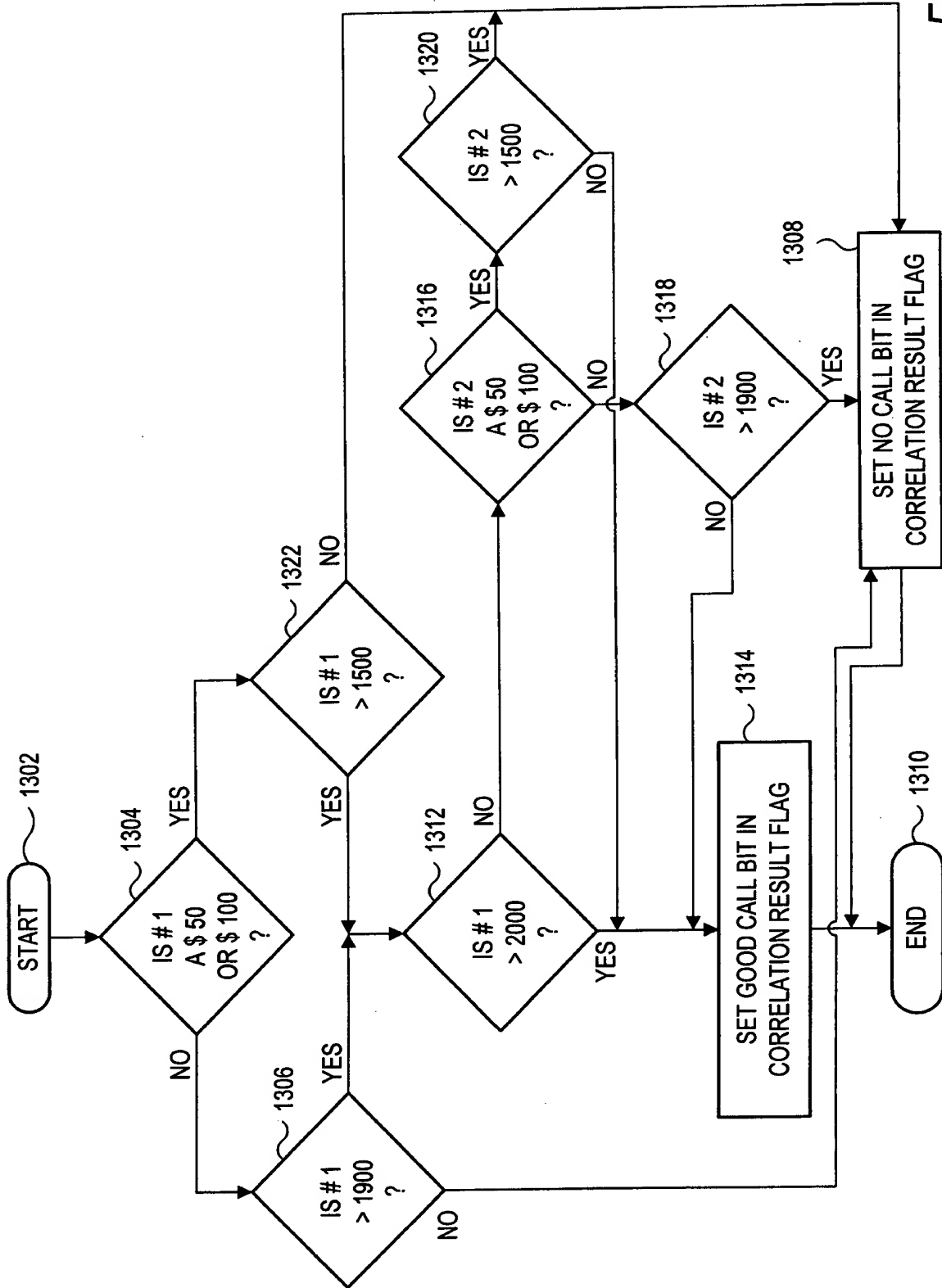
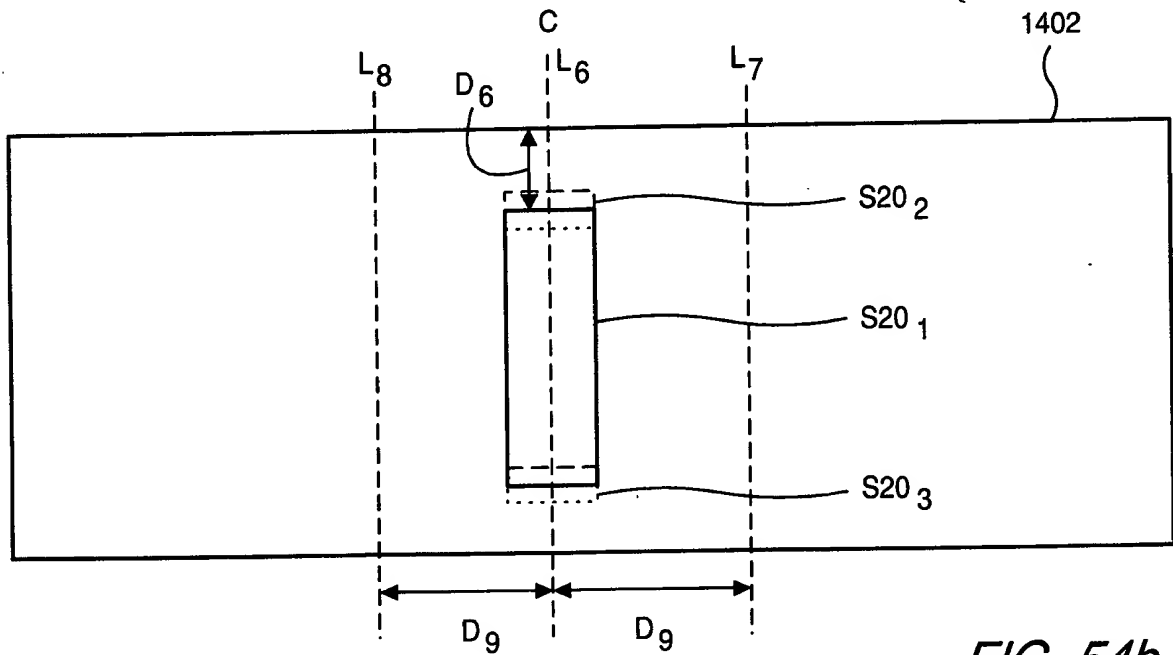
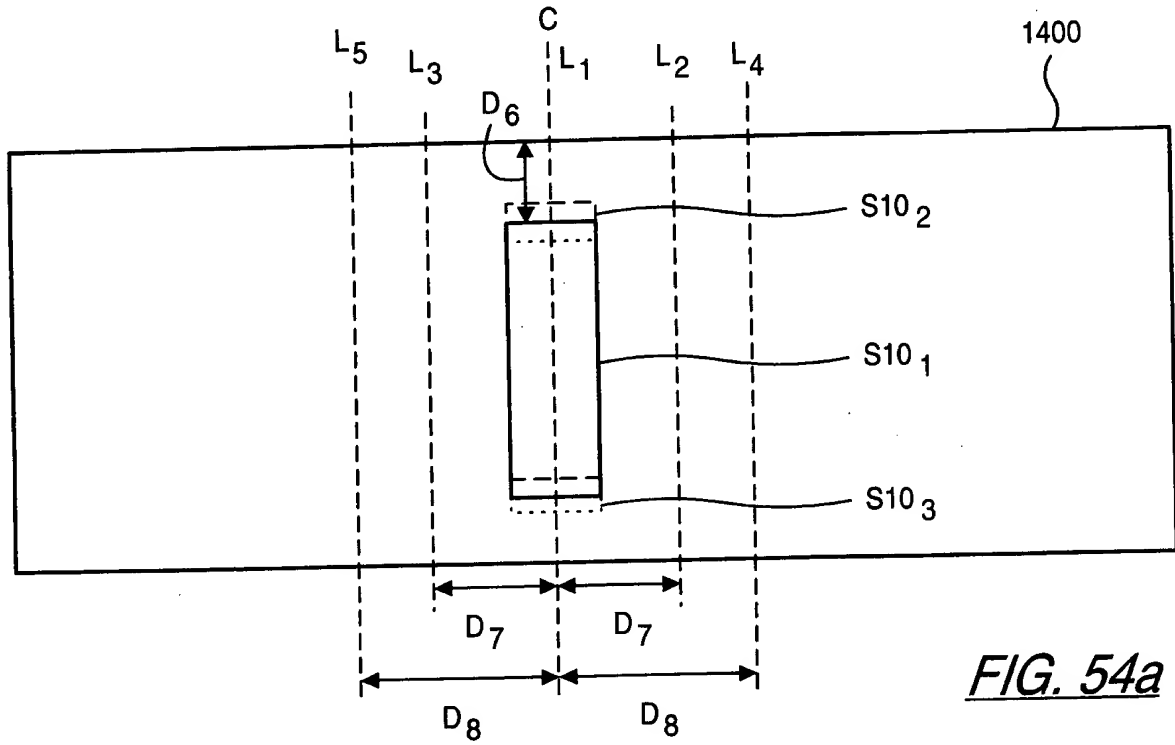


FIG. 53

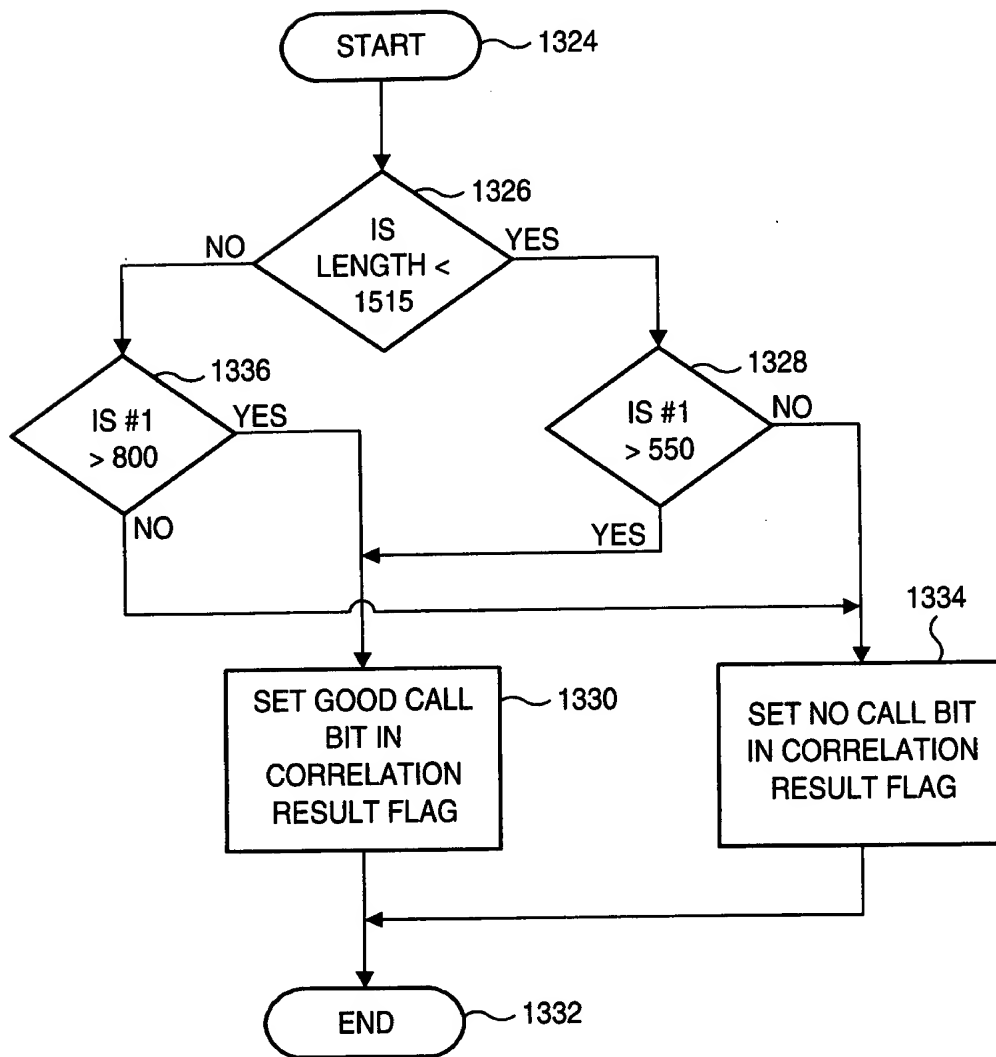
APPROVED	OG.FIG.	BY	DRAFTSMAN
	CLASS		

362750" 3259/06



APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

362F50" 3259/06

*FIG. 55*